

دليل مواد ومنتجات المباني الخضراء ومختبرات فحصها

Manual of Green Building Materials, Products & Their Testing Facilities



As per the vision of Dubai Municipality & Dubai Electricity & Water Authority and the interest of public and customers, total of (79) Green Building Regulations have been issued.

This manual is a register of different types of Green Materials, products & their testing facilities that will be updated periodically.

The end user/customer shall make sure that these materials and testing facilities are certified/accredited as per the requirements of Dubai Municipality.

For enquiry, please contact
Engr. Ali Ahmed Elian,
Head of Engineering Materials Section of
Dubai Central laboratory—Dubai Municipality.
Tel. 04 3027272,
Fax. 04-3366160
E-Mail: aelian@dm.gov.ae



Manual of Green Building Materials, Products & Their Testing Facilities

Prepared By

<u>Name</u>	<u>Designation</u>
Eng. Hawa Abdulla Bastaki	Director of Dubai Central Laboratory Department
Eng. Ali Ahmed Elian	Head of Engineering Materials Laboratory Section – Dubai Central Laboratory Department
Imad Juma Mohammed	Head of Structural Unit, Engineering Materials Laboratory Section – Dubai Central Laboratory Department
Dr. Prakasan V.C.	Principal Analyst, Green Building Materials Testing Laboratory, Dubai Central Laboratory Department
Jaigovind G.	Principal Technician, Green Building Materials Testing Laboratory, Dubai Central Laboratory Department

Approved By

Director of Dubai Central Laboratory Department, Dubai Municipality.

Part – I [Green Building Materials & Products]

Section Three – Econlogy and Planning

301 Chapter 1: Access and Mobility	3
301.01 Preferred Parking	3
301.02 Enabled Access	3
301.03 Bicycle Storage and Changing Rooms	3
302 Chapter 2: Ecology and Landscaping	4
302.01 Local Species	4
303 Chapter 3: Neighborhood Pollution	4
303.01 Exterior Light Pollution and Controls	4
304 Chapter 4: Micro Climate & Outdoor Comfort	5
304.01 Urban Heat Island	5
304.02 Green Roof	6
304.03 Light Colors on the Outside of Buildings	6
304.04 Orientation of Glazed Facades	10
304.05 Hardscape	10
304.06 Shading of Public Access Areas	12
305 Chapter 5: Responsible Construction	13
305.01 Impact of Construction, Demolition and Operational Activities	13
306 Chapter 6: Environmental Impact Assessment	13
306.01 Environmental Impact Assessment	14

Section Four – Building Vitality

401 Chapter 1: Ventilation and Air Quality	16
401.01 Minimum Ventilation Requirements for Adequate Indoor Air Quality	16
401.02 Air Quality During Construction, Renovation or Decoration	16
401.03 Air Inlets and Exhausts	16
401.04 Isolation of Pollutant Sources	17
401.05 Openable Windows	17
401.06 Indoor Air Quality Compliance – New Buildings	18
401.07 Indoor Air Quality Compliance – Existing Buildings	18
401.08 Inspection and Cleaning of HVAC Equipment	18
401.09 Parking Ventilation	19
401.10 Environmental Tobacco Smoke	19
402 Chapter 2: Thermal Comfort	20
402.01 Thermal Comfort	20
403 Chapter 3: Acoustic Comfort	20
403.01 Acoustical Control	20
404 Chapter 4: Hazardous Materials	22
404.01 Low Emitting Material: Paints and Coatings	22

404.02	Low Emitting Materials: Adhesives and Sealants	26
404.03	Carpet Systems	28
405	Chapter 5: Day Lighting and Visual Comfort	28
405.01	Provision of Natural Daylight	28
405.02	Views	29
406	Chapter 6: Water Quality	29
406.01	Legionella Bacteria and Building Water Systems	29
406.02	Water Quality of Water Features	30
Section Five – Resource Effectiveness: Energy		
501	Chapter 1: Conservation and Efficiency: Building Fabric	32
501.01	Minimum Envelope Performance Requirements	32
501.02	Thermal Bridging	37
501.03	Air Conditioning Design Parameters	43
501.04	Air Loss from Entrance and Exit	43
501.05	Air Leakage	44
502	Chapter 2: Conservation and Efficiency: Building Systems	44
502.01	Energy Efficiency – HVAC Equipment and Systems	44
502.02	Demand Controlled Ventilation	45
502.03	Elevators and Escalators	45
502.04	Lighting Power Density – Interior	46
502.05	Lighting Power Density – Exterior	46
502.06	Lighting Controls	47
502.07	Electronic Ballasts	47
502.08	Control System for Heating, Ventilation and Air Conditioning (HVAC) Systems	48
502.09	Control Systems for Hotel Rooms	48
502.10	Exhaust Air energy Recovery Systems	49
502.11	Pipe and Duct Insulation	49
502.12	Thermal Storage for District Cooling	50
502.13	Ductwork Air Leakage	51
502.14	Maintenance of Mechanical Systems	51
503	Chapter 3: Commissioning Management	52
503.01	Commissioning of Building Services – New Buildings	52
503.02	Re-Commissioning of Building Services – Existing Buildings	52
503.03	Electricity Metering	52
503.04	Air Conditioning Metering	53
503.05	Central Control and Monitoring System	53
504	Chapter 4: Onsite Systems: Generation & Renewable Energy	54
504.01	On-Site Renewable Energy – Small to Medium Scale Embedded Generators	54
504.02	Outdoor Lighting	54
504.03	On-Site Renewable Energy – Solar Water Heating System	55
Section Six – Resource Effectiveness: Water		
601	Chapter 1: Conservation and Efficiency	59
601.01	Water Efficient Fittings	59



601.02	Condensate Drainage	59
601.03	Condensate Recovery	60
601.04	Water Efficient Irrigation	60
602	Chapter 2: Commissioning and Management	61
602.01	Water Metering	61
603	Chapter 3: Onsite Systems: Recovery and Treatment	61
603.01	Water Reuse	61
603.02	Water Consumption for Heat Rejection Including Cooling Towers	62
Section Seven – Resource Effectiveness: Materials and Waste		
701	Chapter 1: Materials and Resources	64
701.01	Thermal and Acoustical Insulation Materials	64
701.02	Certified / Accredited Timber	70
701.03	Asbestos Containing Materials	71
701.04	Lead or Heavy Metals Containing Materials	71
701.05	Ozone Depletion Potential (ODP) Material Management	76
701.06	Recycled Content	77
701.07	Regional Material	77
701.08	Composite Wood Products	78
702	Chapter 2: Waste Management	78
702.01	Construction and Demolition Waste	78
702.02	Bulk Waste Collection	78
702.03	Waste Storage	79
702.04	Waste Collection	79
702.05	Recyclable Waste Management Facilities	80

Part – II [Availability of Testing Facility]

301	Chapter 1: Access and Mobility	82
301.01	Preferred Parking	82
301.02	Enabled Access	82
301.03	Bicycle Storage and Changing Rooms	83
302	Chapter 2: Ecology and Landscaping	83
302.01	Local Species	83
303	Chapter 3: Neighborhood Pollution	83
303.01	Exterior Light Pollution and Controls	83
304	Chapter 4: Micro Climate & Outdoor Comfort	84
304.01	Urban Heat Island	84
304.02	Green Roof	85
304.03	Light Colors on the Outside of Buildings	86
304.04	Orientation of Glazed Facades	87
304.05	Hardscape	88
304.06	Shading of Public Access Areas	91
305	Chapter 5: Responsible Construction	92
305.01	Impact of Construction, Demolition and Operational Activities	93



306	Chapter 6: Environmental Impact Assessment	93
306.01	Environmental Impact Assessment	93
Section Four – Building Vitality		
401	Chapter 1: Ventilation and Air Quality	96
401.01	Minimum Ventilation Requirements for Adequate Indoor Air Quality	96
401.02	Air Quality During Construction, Renovation or Decoration	97
401.03	Air Inlets and Exhausts	98
401.04	Isolation of Pollutant Sources	100
401.05	Openable Windows	102
401.06	Indoor Air Quality Compliance – New Buildings	102
401.07	Indoor Air Quality Compliance – Existing Buildings	104
401.08	Inspection and Cleaning of HVAC Equipment	106
401.09	Parking Ventilation	107
401.10	Environmental Tobacco Smoke	107
402	Chapter 2: Thermal Comfort	108
402.01	Thermal Comfort	108
403	Chapter 3: Acoustic Comfort	109
403.01	Acoustical Control	109
404	Chapter 4: Hazardous Materials	109
404.01	Low Emitting Material: Paints and Coatings	109
404.02	Low Emitting Materials: Adhesives and Sealants	110
404.03	Carpet Systems	111
405	Chapter 5: Day Lighting and Visual Comfort	112
405.01	Provision of Natural Daylight	112
405.02	Views	113
406	Chapter 6: Water Quality	113
406.01	Legionella Bacteria and Building Water Systems	113
406.02	Water Quality of Water Features	116
Section Five – Resource Effectiveness: Energy		
501	Chapter 1: Conservation and Efficiency: Building Fabric	118
501.01	Minimum Envelope Performance Requirements	119
501.02	Thermal Bridging	120
501.03	Air Conditioning Design Parameters	120
501.04	Air Loss from Entrance and Exit	120
501.05	Air Leakage	121
502	Chapter 2: Conservation and Efficiency: Building Systems	122
502.01	Energy Efficiency – HVAC Equipment and Systems	122
502.02	Demand Controlled Ventilation	123
502.03	Elevators and Escalators	125
502.04	Lighting Power Density – Interior	125
502.05	Lighting Power Density – Exterior	126
502.06	Lighting Controls	126
502.07	Electronic Ballasts	127
502.08	Control System for Heating, Ventilation and Air Conditioning (HVAC)	127

	Systems	
502.09	Control Systems for Hotel Rooms	128
502.10	Exhaust Air energy Recovery Systems	128
502.11	Pipe and Duct Insulation	129
502.12	Thermal Storage for District Cooling	129
502.13	Ductwork Air Leakage	130
502.14	Maintenance of Mechanical Systems	130
503	Chapter 3: Commissioning Management	130
503.01	Commissioning of Building Services – New Buildings	131
503.02	Re-Commissioning of Building Services – Existing Buildings	131
503.03	Electricity Metering	131
503.04	Air Conditioning Metering	132
503.05	Central Control and Monitoring System	132
504	Chapter 4: Onsite Systems: Generation & Renewable Energy	133
504.01	On-Site Renewable Energy – Small to Medium Scale Embedded Generators	133
504.02	Outdoor Lighting	133
504.03	On-Site Renewable Energy – Solar Water Heating System	133
Section Six – Resource Effectiveness: Water		
601	Chapter 1: Conservation and Efficiency	135
601.01	Water Efficient Fittings	135
601.02	Condensate Drainage	136
601.03	Condensate Recovery	136
601.04	Water Efficient Irrigation	137
602	Chapter 2: Commissioning and Management	137
602.01	Water Metering	137
603	Chapter 3: Onsite Systems: Recovery and Treatment	138
603.01	Water Reuse	138
603.02	Water Consumption for Heat Rejection Including Cooling Towers	138
Section Seven – Resource Effectiveness: Materials and Waste		
701	Chapter 1: Materials and Resources	139
701.01	Thermal and Acoustical Insulation Materials	139
701.02	Certified / Accredited Timber	140
701.03	Asbestos Containing Materials	140
701.04	Lead or Heavy Metals Containing Materials	141
701.05	Ozone Depletion Potential (ODP) Material Management	142
701.06	Recycled Content	142
701.07	Regional Material	143
701.08	Composite Wood Products	143
702	Chapter 2: Waste Management	143
702.01	Construction and Demolition Waste	143
702.02	Bulk Waste Collection	144
702.03	Waste Storage	144
702.04	Waste Collection	145
702.05	Recyclable Waste Management Facilities	145





300

Section Three
**Econlogy
And Planning**

301	Chapter 1: Access and Mobility
301.01	
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Administrative Resolution No. – 125 – 2001
	Availability of material
	Not Applicable
301.02	Enabled access
	Applicable Materials & Systems
	1. Special Need Toilet
	Applicable Standards / Regulations
	Dubai Municipality Administrative Resolution No.- 125 – 2001 U.A.E. Federal Lab. No. 25 - 1999
	Availability of material
	1. Special need Toilet
301.03	Bicycle Storage and Changing Rooms
	Applicable Materials & Systems
	Cycle Rack
	Applicable Standards / Regulations
	Dubai Municipality Administrative Resolution No.- 125 – 2001 Dubai Bicycle Master Plan 2008 - RTA
	Availability of material
	1. Cycle Rack

302	Chapter 2: Ecology and Landscaping
302.01	Local Species
	Applicable Materials & Systems
	<ol style="list-style-type: none"> 1. Vegetated roof 2. Planted area
	Applicable Standards / Regulations
	Not Applicable
	Availability of material
	<ol style="list-style-type: none"> 1. Vegetated Roof
303	Chapter 3: Neighborhood Pollution
303.01	Exterior Light Pollution and Controls
	Applicable Materials & Systems
	<ol style="list-style-type: none"> 1. Light shield 2. Automatic Control for Exterior Lighting
	Applicable Standards / Regulations
	Not Applicable
	Availability of material
	<ol style="list-style-type: none"> 1. Light Shield
	<ol style="list-style-type: none"> 2. Automatic Control for Exterior Lighting

304	Chapter 4: Micro Climate & Outdoor Comfort
304.01	Urban Heat Island Effect
	Applicable Materials & Systems
	1. High SRI Roof
	Applicable Standards / Regulations
	ASTM E – 1980, C – 1549, C – 1371, E 408
	Availability of material
	1. High SRI Roof
	<p>ROOF CARE CO.L.L.C, Contact Details: P.O Box- 1813, U.A.Q. Tel: +971 6 7670666, Fax:+971 6 7670198, E-mail: roofcare@emirates.net.ae, www.roof-care.com</p> <p>Contact Person: Saji P. Varghese (+971 50 9387403)</p> <p>The professional team of ROOF-CARE offers two comprehensive systems called: <u>“COMBO ROOF SYSTEM- for roof water proofing and heat insulation”</u> and <u>“Henkel Ceresit External Insulation Finishing System for External Walls”</u> with Dubai municipality’s approval and manufacturer’s performance guarantee.</p>
	<p>Al serkal & Assarain concrete products LLC Contact Details: P.O Box 282935, Dubai Tel: +971 4 8842207 Fax: +971 4 8842250 Mob: +971 50 7082104 E mail: pm.ak@alserkal-assarain.com www.alserkal-assarain.com</p> <p>Contact Person: Mr. Aswinikumar Kakshmaiah</p> <p>Specialist in green building products: Roof slabs/Masonry normal & light weight blocks/Pavings-Flags/Insulation sandwich & Roof filler blocks/Kerb stones.</p>



ISO 9001 – ISO 14001 – ISO
18001 / EPD/ DCL Quality
Conformity Mark

Terrazzo Dubai Co. LLC.

Contact Details: Tel: +971 4 8853833

Mob: +971 508074284

E mail: ashwinikumar@terrazzold.comwww.terrazzold.com

Contact Person: Mr. Lave Malhotra, General Manager

Terrazzo Limited, having an extensive experience of more than 35 years in the niche of manufacturing is currently the largest producer of Terrazzo tiles and related products in the Middle East. We are actively indulged in the sustainable manufacturing of pre-cast, other concrete products, glass reinforced plastic products, glass reinforced concrete, prefabricated construction and facilities and Green building materials. Our core areas of expertise also encompass the entire dimensions of marble and granite processing. Incepted back in 1976 as a Limited Liability Company (LLC), the commercial production from Terrazzo was executed in 1977.

304.02 Green Roof**Applicable Materials & Systems**

1. Green Roof System

Applicable Standards / Regulations

ASTM E – 2400, ASTM E - 1980

Availability of material

1. Green Roof System

304.03 Light Colors on the Outside of Buildings**Applicable Materials & Systems**

1. High LRV Coatings & Paints

Applicable Standards / Regulations

BS 8493: 2008 + A1, ASTM E 1175, DM/DEWA Green building regulation.

Availability of material

1. High LRV Coatings & Paints

Jotun Paints

Contact Details: Jotun UAE Ltd. P.O.Box 3671,
Al Quoz, Dubai.
Tel 04 3395000 Fax: 04 3380666
E mail: csd@jotundxb.ae
<http://www.jotun.com/me>



Contact Person: Mr. Wael Fahmy
Regional sales Manager

Founded in 1926 in Norway and established in the Middle East since 1974, Jotun - one of the world's leading paint manufacturers, contributes to the environment by developing and offering competitive, sustainable products and solutions. A truly single source solution for clients, consultants and contractors alike.

Energy Zone L.L.C.

Contact Details: P.O.Box # 62650, Dubai
Tel-04-2671622, Fax-04-2671633
E mail. energyzo@eim.ae
www.energyzonecoating.com



Contact Person: Eng. Claude Nasif,
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256
E.mail: info@caparol.ae
www.caparol.ae



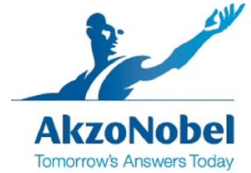
Contact Person: Mr.Ahmed El Bayaa,
Regional Sales Manager

Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

AkzoNobel

Contact Details: P.O Box 290, Al Quoz, Dubai
Tel: +971 4 3472491, Fax: +971 4 3472339
E- mail: tenders.me@akzonobel.com
www.akzonobel.com



Contact Person: Mr. Simon Major,
General Manager (M.E. Business Development)

AkzoNobel is the largest global paint and coatings company and a major producer of speciality chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. We are a Global Fortune 500 company and are consistently ranked as one of the leaders on the Dow Jones Sustainability index. With operations in more than 80 countries, our 55,000 employees around the world are committed to excellence and delivering Tomorrow's Answers Today

Berger Paints Emirates Ltd LLC.

Contact Details: Post Box 27524, Dubai
Al Quoz Industrial Area 1, Dubai, U.A.E.
Tel: +971 4 3391000, Fax: +971 4 3391322
E- mail: mustafa.turra@bergeronline.com
www.bergeronline.com/gcc



Contact Person: Mr. Mustafa Turra, Marketing Manager

Berger Paints Emirates Ltd is part of Berger International Limited, Singapore which is a listed company on Singapore Exchange. Also, Berger Paints is a part of Asian Paints group which is today among the top 5 decorative paint companies in the world. Berger Paints is operating in the UAE market since 1985 and is pioneer in the field of decorative, protective, industrial and wood paints in the region.

National Paints

Contact Details: P.O Box 5822, Sharjah
Tel: 06 5340111, Fax: 06 5340222
E- mail: technic@national-paints.com



Contact Person: Gopal Kanojia,
Technical Manager

Through two of the biggest research and development labs and technical collaboration with international entities such as "Trans Ocean" from Holland, "Italtinto" from Italy, National Paints' product line is constantly updated in accordance with the demands of each separate market involved.

National Paints expanding product range and its strive for quality have granted it several international awards of recognition. Its reputation has given full support to undergo paint projects for hotels, airports, government corporations, hospitals, cultural institutions and other private and public sectors in various countries.

MAS Paints and Chemicals Industry

Contact Details: P.O Box 23085, Sajja Industrial area, Sharjah
Tel: 06 5311777, Fax: 06 5311330
E- mail: maspaints@emirates.net.ae
www.maspaints.com



Contact Person: Mr. Marwan Al Atrash,
Managing director

MAS Paints is widely known as pioneer in high performance wood coatings in the Middle East. Through its manufacturing units and showrooms, a wide range of decorative and finishing products are offered to end users, meeting all possible requirements from traditional craftsmen and joineries to the latest applications of UV curing and the low VOC lacquers (solvents and water-based). In addition to our traditional NC, PU and Acid Curing, our product range includes Dyes, Stains, Thinners, Polyester, Acrylics, Epoxy (for industrial application). Architectural paints and special effect decorative paints, where the most severe finishing applications from reputable hotels and palaces are met.

Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai
Tel: 04 - 2039699 Fax: 04 - 2859649
E-mail: agf@fosroc.com
www.fosroc.com



constructive solutions

Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

NanoPhos SA (Nilgiris International FZCO)

Contact Details: P.O Box 54877, Dubai
Tel: +971 4 2998699, Fax: +971 4 2998698
E- mail: Krishnan@nilgiriszco.com



Contact Person: Mr.A.N.Krishnan,
General Manager (Operations)

NanoPhos manufactures environment friendly, water based, energy saving, water repelling, self cleaning & green products to protect porous and non-porous substrates such as concrete, natural stone, marble, granite, ceramic tiles, gypsum, natural wood, metals and glass. Nilgiris International FZCO is an international trading & marketing organization established in the year 2008 and located in Dubai Airport Free Zone. We represent NanoPhos SA, Greece as their Distributors in U.A.E., Oman & India.

HEMPEL (EMIRATES)L.L.C.

Contact Details: Interchange 8, Sajaa Industrial Area, Al Dhaid Road
P.O Box 2000, Sharjah, U.A.E.
Tel: +971 6 5310140, Fax: +971 6 5310141
www.hempel.com



Contact Person: Laurence Brown – Country Manager

Hempel was founded in Copenhagen on 4 July 1915, Today Hempel has 49 sales offices, 20 factories, and more than 150 stock points and agents around the world. Hempel is committed to providing customers with top quality products and services. Hempel is producing and supplying a wide range of high-quality paints and services for the marine, container, protective, yacht and decorative market segments. Hempel offers a complete system of primers, sealers, fillers, high quality emulsions and enamels, wide range of various texture paints and a number of special-effects paints to complement the assortment.

304.04	Orientation of Glazed Facades
	Applicable Materials & Systems
	1. Building Glass
	Applicable Standards / Regulations
	ASTM International Glass and Glazing Standards for Building Industry.
	Availability of material
	1. Building Glass
304.05	Hardscape
	Applicable Materials & Systems
	1. Vegetation 2. Paving Material with High SRI 3. Shading Material with High SRI
	Applicable Standards / Regulations
	ASTM – E – 1980, C-1549, C-1371, E – 408, DM/DEWA Green Building Regulation.
	Availability of material
	1. Vegetation
	2. Paving Material with High SRI

Hussain Mohd. Abbas Block factory

Contact Details: P.O Box 931, Dubai

Tel: 04 – 3472214/3472349/3473536

Fax: 04– 3472992

E mail: hablock@emirates.net.ae

www.hablocks.com



Contact Person: Mr. Sathish M.Kumar, General Manager

Hussain Mohd. Abbas block factory is a local concrete block manufacturing company having an ISO:9001:2008, which started its operation in the year 1976. The management is run by professional and experts in the field of concrete industry and assuring high quality products.

The company is manufacturing and trading concrete block and paving tiles

Apex Concrete Block Factory LLC.

Contact Details: P.O Box 53370, Dubai

Tel: 04 - 3470833 Fax: 04– 3470822

E mail: apex@apexgulf.com

www.apex.com

**APEX**

Contact Person: Mr. Narendra Reddy, Marketing Manager

Apex is the first company to introduce thermal insulated blocks for reducing the consumption of energy buildings and to control noise sources.

Delmon Autoclaved Aerated Concrete Factory.

Contact Details: P.O Box # 48308, Dubai

Tel: 04 - 8842280 Fax: 04– 8842281

E mail: delmonfa@eim.ae

www.delmonaacfactory.com



Contact Person: Eng. Mustafa Taha, Sales Manager

Delmon AAC Factory (Dubai) is the sister concern of Al Jazeera, Abu Dhabi - the pioneer of AAC products in UAE. Delmon, started production 2006, was second of its kind in UAE. It has largest mass production capacity and is using very advanced and automated production process to bring very high quality products. Its products have been approved by all the Municipalities of UAE, all the major developers, consultants etc. It has thousands of projects from villas–high rise towers to their credit

Al Jazeera Factory for Const. Materials

Contact Details: P.O Box # 9081, Abu Dhabi

Tel: 02 - 5822768 Fax: 02– 5822353

E mail: jaziraac@eim.aewww.aljazeerafactory.com

Contact Person: Eng. Mustafa Taha, Sales Manager

Al Jazeera - the pioneer of AAC products in UAE – started its facility in 1990. A member of Al Jazeera Group of Industries, its an ISO 9001:2008 certified manufacturer and have obtained first Technical Approval from DM in 2003. Its products have been approved by all the Municipalities of UAE, Ministry of Civil Defence, Dept. works and almost all of govt. and non-govt. bodies, all the major developers, consultants etc. It has thousands of projects from villas–high rise towers to their credit and most of landmark projects ever built in UAE are off their blocks

Al serkal & Assarain concrete products LLC

Contact Details: P.O Box 282935, Dubai

Tel: +971 4 8842207 Fax: +971 4 8842250

Mob: +971 50 7082104

E mail: pm.ak@alserkal-assarain.com

www.alserkal-assarain.com



**ISO 9001 – ISO 14001 – ISO
18001 / EPD/ DCL Quality
Conformity Mark**

Contact Person: Mr. Aswinikumar Kakshmaiah

Specialist in green building products: Roof slabs/Masonry normal & light weight blocks/Pavings-Flags/Insulation sandwich & Roof filler blocks/Kerb stones.

Terrazzo Dubai Co. LLC.

Contact Details: Tel: +971 4 8853833

Mob: +971 508074284

E mail: ashwinikumar@terrazzold.comwww.terrazzold.com

Contact Person: Mr. Lave Malhotra, General Manager

Terrazzo Limited, having an extensive experience of more than 35 years in the niche of manufacturing is currently the largest producer of Terrazzo tiles and related products in the Middle East. We are actively indulged in the sustainable manufacturing of pre-cast, other concrete products, glass reinforced plastic products, glass reinforced concrete, prefabricated construction and facilities and Green building materials. Our core areas of expertise also encompass the entire dimensions of marble and granite processing. Incepted back in 1976 as a Limited Liability Company (LLC), the commercial production from Terrazzo was executed in 1977.

3. Shading Material with High SRI**304.06 Shading of Public Access Areas****Applicable Materials & Systems****1. Shading Material with High SRI****Applicable Standards / Regulations**

ASTM E – 1980, C – 1549, C – 1371, E 408, DM/DEWA Green Building Regulation.

Availability of material**1. Shading Material with High SRI**

Al serkal & Assarain concrete products LLC

Contact Details: P.O Box 282935, Dubai

Tel: +971 4 8842207 Fax: +971 4 8842250

Mob: +971 50 7082104

E mail: pm.ak@alserkal-assarain.com

www.alserkal-assarain.com



ISO 9001 – ISO 14001 – ISO
18001 / EPD/ DCL Quality
Conformity Mark

Contact Person: Mr. Aswinikumar Kakshmaiah

Specialist in green building products: Roof slabs/Masonry normal & light weight blocks/Pavings-
Flags/Insulation sandwich & Roof filler blocks/Kerb stones.

Terrazzo Dubai Co. LLC.

Contact Details: Tel: +971 4 8853833

Mob: +971 508074284

E mail: ashwinikumar@terrazzolt.comwww.terrazzolt.com

Contact Person: Mr. Lave Malhotra, General Manager

Terrazzo Limited, having an extensive experience of more than 35 years in the niche of manufacturing is currently the largest producer of Terrazzo tiles and related products in the Middle East. We are actively indulged in the sustainable manufacturing of pre-cast, other concrete products, glass reinforced plastic products, glass reinforced concrete, prefabricated construction and facilities and Green building materials. Our core areas of expertise also encompass the entire dimensions of marble and granite processing. Incepted back in 1976 as a Limited Liability Company (LLC), the commercial production from Terrazzo was executed in 1977.

305

Chapter:5 Responsible Construction

305.01

Impact of Construction, Demolition and Operational Activities**Applicable Materials & Systems**

Not Applicable

Applicable Standards / Regulations

ASTM International Technical Committee – 262 D – 34

Dubai Municipality Local Order No. 61 / 1999

Dubai Municipality Technical Guideline No. – 12, 26, 29, 44, 48, 50, 53, 56

Dubai Municipality Building Dept. Circular – 77, 93, 89, 108, 117, 139, 154, 158, 161

Availability of material

Not Applicable

306

Chapter 6: Environmental Impact Assessment

306.01	Environmental Impact Assessment
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Technical Guideline No. 4 and 53
	Availability of material
	Not Applicable

400

Section Four
Building Vitality

401	Chapter 1: Ventilation and Air Quality
401.01	Minimum Ventilation Requirements for Adequate Indoor Air Quality
	Applicable Materials & Systems
	Ventilation products & systems
	Applicable Standards / Regulations
	ASHRAE 62 - 2007
	Availability of material
401.02	Air Quality During Construction, Renovation or Decoration
	Applicable Materials & Systems
	1. Air Filters
	Applicable Standards / Regulations
	ASHRAE 52.2 - 2007
	Availability of material
	1. Air Filters
401.03	Air Inlets and Exhausts
	Applicable Materials & Systems

1. Air exhaust system

Applicable Standards / Regulations

ASHRAE 62 – 2007, SMACNOT APPLICABLE 1035 – HVAC Duct Construction Standards

Availability of material

1. Air exhaust system

401.04 Isolation of Pollutant Sources

Applicable Materials & Systems

1. Air extraction System

Applicable Standards / Regulations

Dubai Municipality Technical Guideline No. 57
ASHRAE 62.1 – 2007

Availability of material

1. Air extraction System

401.05 Openable Windows

Applicable Materials & Systems

1. Windows

Applicable Standards / Regulations

CIBSE application manual Am10:1997, DM Building Regulations.

Availability of material

401.06 Indoor Air Quality Compliance – New Buildings

Applicable Materials & Systems

1. Ventilation products & systems

Applicable Standards / Regulations

ASTM D – 5116, D – 6886, DM/DEWA Green Building Regulation.

Availability of material

401.07 Indoor Air Quality Compliance – Existing Buildings

Applicable Materials & Systems

1. Ventilation products & systems

Applicable Standards / Regulations

Heating and Ventilating Contractors Association (HVCA) TR-19 guide to good practice
BSR / ASHRAE / ACCA Standard 180P – Standard Practice for Inspection and Maintenance of
Commercial Building HVAC System.

Availability of material

401.08 Inspection and Cleaning of HVAC Equipment

	Applicable Materials & Systems
	1. HVAC equipments / system
	Applicable Standards / Regulations
	Dubai Municipality guidelines
	Availability of material
	1. HVAC systems / equipments
401.09	Parking Ventilation
	Applicable Materials & Systems
	1. Ventilation System
	Applicable Standards / Regulations
	ASTM D – 3762, ASTM F – 984, DM/DEWA Green Building Regulation.
	Availability of material
401.10	Environmental Tobacco Smoke
	Applicable Materials & Systems
	1. Designated smoking area
	Applicable Standards / Regulations

1. Dubai Municipality Local order No. 11 – 2003
2. Dubai Municipality Admin. resolution 92 - 2009

Availability of material

Not Applicable

402

Chapter 2: Thermal Comfort

402.01

Thermal Comfort

Applicable Materials & Systems

1. HVAC products & systems.

Applicable Standards / Regulations

ASHRAE: 55

Availability of material

1. HVAC systems / equipments

403

Chapter 3: Acoustic Comfort

403.01

Acoustical Control

Applicable Materials & Systems

1. Acoustic Insulation Materials

Applicable Standards / Regulations

BS – 8233: 1999
 Building Regulation Approved Document E(R-2008)OK
 Health Technical Memorandum 08 – 01 (U.K.)
 Building Bulletin 93 (U.K.)

Availability of material

1. Acoustic Insulation Materials

Kuwait Insulating Material Manufacturing Co. (KIMMCO)

Contact Details: P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,
Al Wuheida Road,
Al Mamzar, Dubai
Tel: +9714 2967660, Fax-04-2967550
E-mail: mshariff@alghanim.com / shariff@kimco.ae
www.kimmcoinsulations.com



KIMMCO

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah
Tel: +971 9 2222297
Fax: +971 9 2222573
E-mail: frf@emirates.net.ae
www.rockwoolfujairah.ae



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E- Mail: imallah@glasswool.ae
www.exeed.ae



GLASSWOOL
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256
 E.mail: info@caparol.ae
www.caparol.ae

Contact Person: Mr.Ahmed El Bayaa,
 Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

Saudi Rockwool Factory

Contact Details: P.O. BOX 145 Riyadh 11383
 Kingdom of Saudi Arabia
 Tel: +966 1 2650034
 Fax: +966 1 2650089
 E-mail: mohammad@saudirockwool.com
www.giginsulation.com



Contact Person: Eng. Sami. D. AL Gharabli, Quality & Technical Support Manager.

Saudi Rockwool Factory was established in 1992 located in the third industrial area south of Riyadh, Saudi Rockwool Factory is a member of GIG (Gulf Insulation Group)

The factory is divided into two main sections; the first section contains three production lines that produce dark gray wool with a capacity of 6,000 tons/year. The second section contains two production lines that produce yellow wool with a capacity of 16,000 tons/year, total of 22,000 ton a year for both products.

404

Chapter 4: Hazardous Materials

404.01

Low Emitting Material: Paints and Coatings**Applicable Materials & Systems**

1. Low VOC Paints and Coatings

Applicable Standards / Regulations

ASTM D – 5116
 ISO – FDIS 11890 – 2
 ASTM D 3930

Availability of material

1. Low VOC Paints and Coatings

Jotun Paints

Contact Details: Jotun UAE Ltd. P.O.Box 3671,
Al Quoz, Dubai.
Tel 04 3395000 Fax: 04 3380666
E mail: csd@jotundxb.ae
<http://www.jotun.com/me>



Contact Person: Mr. Wael Fahmy
Regional sales Manager

Founded in 1926 in Norway and established in the Middle East since 1974, Jotun - one of the world's leading paint manufacturers, contributes to the environment by developing and offering competitive, sustainable products and solutions. A truly single source solution for clients, consultants and contractors alike.

Energy Zone L.L.C.

Contact Details: P.O.Box # 62650, Dubai
Tel-04-2671622, Fax-04-2671633
E mail. energyzo@eim.ae
www.energyzonecoating.com



Contact Person: Eng. Claude Nasif,
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...

Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256
E.mail: info@caparol.ae
www.caparol.ae



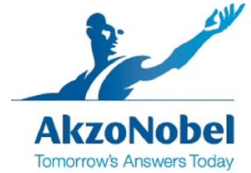
Contact Person: Mr.Ahmed El Bayaa,
Regional Sales Manager

Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

AkzoNobel

Contact Details: P.O Box 290, Al Quoz, Dubai
Tel: +971 4 3472491, Fax: +971 4 3472339
E- mail: tenders.me@akzonobel.com
www.akzonobel.com



Contact Person: Mr. Simon Major,
General Manager (M.E. Business Development)

AkzoNobel is the largest global paint and coatings company and a major producer of speciality chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. We are a Global Fortune 500 company and are consistently ranked as one of the leaders on the Dow Jones Sustainability index. With operations in more than 80 countries, our 55,000 employees around the world are committed to excellence and delivering Tomorrow's Answers Today

Berger Paints Emirates Ltd LLC.

Contact Details: Post Box 27524, Dubai
Al Quoz Industrial Area 1, Dubai, U.A.E.
Tel: +971 4 3391000, Fax: +971 4 3391322
E- mail: mustafa.turra@bergeronline.com
www.bergeronline.com/gcc



Contact Person: Mr. Mustafa Turra, Marketing Manager

Berger Paints Emirates Ltd is part of Berger International Limited, Singapore which is a listed company on Singapore Exchange. Also, Berger Paints is a part of Asian Paints group which is today among the top 5 decorative paint companies in the world. Berger Paints is operating in the UAE market since 1985 and is pioneer in the field of decorative, protective, industrial and wood paints in the region.

National Paints

Contact Details: P.O Box 5822, Sharjah
Tel: 06 5340111, Fax: 06 5340222
E- mail: technic@national-paints.com



Contact Person: Gopal Kanojia,
Technical Manager

Through two of the biggest research and development labs and technical collaboration with international entities such as "Trans Ocean" from Holland, "Italtinto" from Italy, National Paints' product line is constantly updated in accordance with the demands of each separate market involved.

National Paints expanding product range and its strive for quality have granted it several international awards of recognition. Its reputation has given full support to undergo paint projects for hotels, airports, government corporations, hospitals, cultural institutions and other private and public sectors in various countries.

MAS Paints and Chemicals Industry

Contact Details: P.O Box 23085, Sajja Industrial area, Sharjah
Tel: 06 5311777, Fax: 06 5311330
E- mail: maspaints@emirates.net.ae
www.maspaints.com



Contact Person: Mr. Marwan Al Atrash,
Managing director

MAS Paints is widely known as pioneer in high performance wood coatings in the Middle East. Through its manufacturing units and showrooms, a wide range of decorative and finishing products are offered to end users, meeting all possible requirements from traditional craftsmen and joineries to the latest applications of UV curing and the low VOC lacquers (solvents and water-based). In addition to our traditional NC, PU and Acid Curing, our product range includes Dyes, Stains, Thinners, Polyester, Acrylics, Epoxy (for industrial application). Architectural paints and special effect decorative paints, where the most severe finishing applications from reputable hotels and palaces are met.

Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai
Tel: 04 - 2039699 Fax: 04 - 2859649
E-mail: agf@fosroc.com
www.fosroc.com



constructive solutions

Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

NanoPhos SA (Nilgiris International FZCO)

Contact Details: P.O Box 54877, Dubai
Tel: +971 4 2998699, Fax: +971 4 2998698
E- mail: Krishnan@nilgiriszco.com



Contact Person: Mr.A.N.Krishnan,
General Manager (Operations)

NanoPhos manufactures environment friendly, water based, energy saving, water repelling, self cleaning & green products to protect porous and non-porous substrates such as concrete, natural stone, marble, granite, ceramic tiles, gypsum, natural wood, metals and glass. Nilgiris International FZCO is an international trading & marketing organization established in the year 2008 and located in Dubai Airport Free Zone. We represent NanoPhos SA, Greece as their Distributors in U.A.E., Oman & India.


HEMPEL (EMIRATES)L.L.C.

Contact Details: Interchange 8, Sajaa Industrial Area, Al Dhaid Road
P.O Box 2000, Sharjah, U.A.E.
Tel: +971 6 5310140, Fax: +971 6 5310141
www.hempel.com



Contact Person: Laurence Brown – Country Manager

Hempel was founded in Copenhagen on 4 July 1915, Today Hempel has 49 sales offices, 20 factories, and more than 150 stock points and agents around the world. Hempel is committed to providing customers with top quality products and services. Hempel is producing and supplying a wide range of high-quality paints and services for the marine, container, protective, yacht and decorative market segments. Hempel offers a complete system of primers, sealers, fillers, high quality emulsions and enamels, wide range of various texture paints and a number of special-effects paints to complement the assortment.

404.02	Low Emitting Material: Adhesives and Sealants
	Applicable Materials & Systems
	<ol style="list-style-type: none"> 1. Low VOC Sealants 2. Low VOC Adhesives
	Applicable Standards / Regulations
	ASTM D – 5116 ASTM D – 3930 ISO-FDIS 11890-2
	Availability of material
	1. Low VOC Sealants
	<p>Falcon Chemicals</p> <p>Contact Details: P.O Box 2924,Dubai Tel: 04 - 8801444 Fax: 04 - 8801717 E-mail: inquiry@falconchemicals.com www.falconchemicals.com</p> <p>Contact Person: Mr. Qazi, Marketing Manager</p> <p>We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.</p>
	
	<p>MAPEI (I.B.S. Innovative Building Solutions LLC.)</p> <p>Contact Details: Post Box # 73869, Dubai Tel: 04 815 6666 Fax: 04 815 6655 E– Mail l.haboubi@ibs-mapei.ae www.mapei.ae</p> <p>Contact Person: Mr. Laith Haboubi (Regional Director)</p> <p>Founded in Milan, Italy in 1937, Mapei is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building with distinctive product lines which range from waterproofers to special mortars, from concrete admixtures to products for the restoration of ancient buildings. MAPEI has 68 subsidiaries with 58 production facilities in operation spread across 27 countries in five continents. MAPEI's UAE subsidiary, Innovative Building Solutions LLC was formed as part of its long-term commitment to the Middle East. The company commenced production in February 2009, at its 40,000 m2 facility at Dubai Investments Park.</p>
	

Al Gurg Fosroc LLC**Contact Details:**

P.O Box 657, Dubai
Tel: 04 - 2039699 Fax: 04 - 2859649
E-mail: agf@fosroc.com
www.fosroc.com

*constructive solutions*

Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

2. Low VOC Adhesives

Falcon Chemicals**Contact Details:**

P.O Box 2924, Dubai
Tel: 04 - 8801444 Fax: 04 - 8801717
E-mail: inquiry@falconchemicals.com
www.falconchemicals.com



Contact Person: Mr. Qazi, Marketing Manager

We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.

MAPEI (I.B.S. Innovative Building Solutions LLC.)**Contact Details:**

Post Box # 73869, Dubai
Tel: 04 815 6666 Fax: 04 815 6655
E-Mail l.haboubi@ibs-mapei.ae
www.mapei.ae



Contact Person: Mr. Laith Haboubi (Regional Director)

Founded in Milan, Italy in 1937, Mapei is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building with distinctive product lines which range from waterproofers to special mortars, from concrete admixtures to products for the restoration of ancient buildings. MAPEI has 68 subsidiaries with 58 production facilities in operation spread across 27 countries in five continents. MAPEI's UAE subsidiary, Innovative Building Solutions LLC was formed as part of its long-term commitment to the Middle East. The company commenced production in February 2009, at its 40,000 m2 facility at Dubai Investments Park.

Al Gurg Fosroc LLC**Contact Details:**

P.O Box 657,Dubai

Tel: 04 - 2039699 Fax: 04 - 2859649

E-mail: agf@fosroc.comwww.fosroc.com*constructive solutions***Contact Person:**

Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

404.03 Carpet Systems**Applicable Materials & Systems**

1. Carpet

Applicable Standards / Regulations

Dubai Municipality – DCL Certification

Availability of material

1. Carpet

405 Chapter 5: Day Lighting and Visual Comfort**405.01 Provision of Natural Daylight****Applicable Materials & Systems**

Building Glass

Applicable Standards / Regulations

Dubai Municipality Regulations

	Availability of material
405.02	Views
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Regulations
	Availability of material
	Not Applicable
406	Chapter 6: Water Quality
406.01	Legionella Bacteria and Building Water Systems
	Applicable Materials & Systems
	1. Water Treatment Chemicals
	Applicable Standards / Regulations
	ASTM D - 5952 Dubai Municipality Guidelines
	Availability of material
	1. Water Treatment Chemicals

406.02	Water Quality of Water Features
	Applicable Materials & Systems
	1. Water Treatment Chemicals
	Applicable Standards / Regulations
	ASTM D - 5952 Dubai Municipality Guidelines ASRAE – Guideline 12 - 2000
	Availability of material
	1. Water Treatment Chemicals

500

Section Five

Resource Effectiveness: Energy

501	Chapter 1: Conservation and Efficiency: Building Fabric
501.01	Minimum Envelope Performance Requirements
	Applicable Materials & Systems
	<ol style="list-style-type: none"> 1. Thermal Insulation materials / Systems 2. Glazed elements (Glass)
	Applicable Standards / Regulations
	Dubai Municipality Ad. Order – 66 ASTM C - 1363 ASTM C- 578 ASTM C-612 BSEN-13162, to 13165
	Availability of material
	1. Thermal Insulation Materials / Systems
	<p>ISOFOAM ENGINEERING PRODUCTS LLC.</p> <div> <div> <p>Contact Details:</p> <p>P.O. Box- 35220 Dubai</p> <p>Tel: + 971 4 2861082</p> <p>Fax: +971 4 2860821</p> <p>e-mail: isofoam@emirates.net.ae</p> <p>www.isofoamuae.com</p> </div> <div>  </div> </div> <p>Contact Person: Mr. Saad Kreidieh, General manager</p> <p>ISOFOAM, a leader in building materials and energy efficiency solutions manufacturing zero ozone depleting ISOBOARD green® extruded polystyrene (XPS) rigid foam insulation and hanex® Acrylic Solid Surface to meet the requirements of green building.</p> <p>ISOFOAM is ISO 9001: 2008 certified from BUREAU VERITAS for manufacturing and supplying – Certificate No. IND10.7766. ISOFOAM is DCL certified from Dubai Municipality licensing agreement no. CL05020002. The outstanding technology and quality have propelled ISOFOAM a leader in the field of building industry. Its products are regularly specified by leading International consultants and architects in GCC market & Middle East.</p>

Energy Zone L.L.C.

Contact Details:

P.O.Box # 62650, Dubai
Tel-04-2671622, Fax-04-2671633
E mail. energyzo@eim.ae
www.energyzonecoating.com



Contact Person:

Eng. Claude Nasif,
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

Kuwait Insulating Material Manufacturing Co. (KIMMCO)

Contact Details:

P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,
Al Wuheida Road,
Al Mamzar, Dubai
Tel: +9714 2967660, Fax-04-2967550
E-mail: mshariff@alghanim.com / shariff@kimco.ae
www.kimmcoinsulations.com



KIMMCO

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

Styrene Insulation Industry

Contact Details:

P.O Box-9459, Abu Dhabi
Tel: +971 2 5511166 ,
Fax: +971 2 5511570,
e-mail: styrene@eim.ae
www.styrene-uae.com



Contact Person:

Mr. Sukesh Raghavan, Chief Accountant

Styrene Insulation Industry (SII) started its Expanded Polystyrene (EPS) Injection and Block Moulded Polystyrene products under the brand name Insolite in 1997. Our factory is equipped with the most modern equipments, manned by a team of technically trained and skilled work force, who continuously strive to achieve the highest standard of product quality.

ROOF CARE CO.L.L.C,

Contact Details:

P.O Box- 1813, U.A.Q.
Tel: +971 6 7670666, Fax:+971 6 7670198,
E-mail: roofcare@emirates.net.ae,
www.roof-care.com



Contact Person: Saji P. Varghese (+971 50 9387403)

The professional team of **ROOF-CARE** offers two comprehensive systems called: **"COMBO ROOF SYSTEM- for roof water proofing and heat insulation"** and **"Henkel Ceresit External Insulation Finishing System for External Walls"** with Dubai municipality's approval and manufacturer's performance guarantee.

FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah
Tel: +971 9 2222297
Fax: +971 9 2222573
E-mail: frf@emirates.net.ae
www.rockwoolfujairah.ae



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E- Mail: imallah@glasswool.ae
www.exeed.ae



GLASSWOOL
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256
E.mail: info@caparol.ae
www.caparol.ae

Contact Person: Mr.Ahmed El Bayaa,
Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

Mammut Building Systems Fzc

Contact Details: P.O Box-41668, HFZ , Sharjah
Tel: +971 4 8012921, Fax: + 971 4 8012223
E-mail: satya.prakash@mammut.ae
www.mammutsteel.ae



Contact Person: Mr. SatyaPrakash, QA/QC Dept

Mammut Building Systems (MBS), a subsidiary of Emaar Industries and Investments an associated company of Emaar Group is one of the largest manufacturers of Pre-Engineered Steel Buildings (PEB's) and Polyurethane Injected Sandwich Panels in the world. MBS is specialized in the design, manufacture and supply of PEB using the best engineering softwares and most advanced production machineries in the PEB industry.

FOAMGLAS Building

PITTSBURGH CORNING Europe (Rep. Office - Middle East)

Contact Details: Arenco Tower (Media City),
P.O. Box 213345, Dubai - UAE
Tel. +971 4 434 71 40, Fax +971 4 432 7109
Email: info@foamglas.ae
www.foamglas.ae



Contact Person: Marco Thomas Vincenz, General Manager

FOAMGLAS® comes out outstandingly well in this overall assessment. Long service life, safety, environmental compatibility and economic feasibility make FOAMGLAS® the preferred insulating material for the whole building envelope.

NATIONAL POLYSTYRENE PACKAGING FACTORY L.L.C.

Contact Details: P.O. Box-79970, Jabel Ali Industrial Area # 3
Dubai
Tel: +971 4 8802005
Fax: +971 4 8802006
E-mail: naplpak@emirates.net.ae
www.nppfdubai.com



Contact Person: Mr. Saeed Al Saghir, Managing Director

National Polystyrene Packaging Factory (NPPF) manufactures and market all types of Polystyrene Products which are related to Construction, Thermal Insulation, Geofoam, Packaging, Architectural works and Decorations, that will suit Customer's requirement. NPPF are serving U.A.E. & G.C.C. market since 1994 with excellent success.

National Polystyrene Packaging Factory is certified and Approved by prestigious private and public Certifying Institution, they are ISO 9001:2008 by M/s Lloyd's Register Quality Assurance, DCL Conformity Mark by M/s Dubai Municipality, Emirates Quality Mark by M/s Emirates Authority for Standardization & Metrology (ESMA), Emirates Green Building Council Corporate Membership by M/s Emirates Green Building Council

ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC

Contact Details: P.O. Box-5088, Sharjah
Tel: +971 6 5332114
Fax: +971 6 5332011
E-mail: eeishj@emirates.net.ae
www.eei-ae.com



Contact Person: Mr. M.J. Joseph

Electronic & Engineering Industries Co. LLC. was established in the year 1978 in Sharjah, U.A.E to manufacture Expanded Polystyrene Products. As a further expansion it was started its Extruded Polystyrene Factory (ROOFMASTER XPS) in Mussafah, Abu Dhabi during 2003

Hapri Insulation Materials Manufacturing

Contact Details: Tel. +971-4-3405466 Fax. +971-4-3405477
Post Box # 37875, Dubai, U.A.E.
E.mail: hapri@emirates.net.ae
www.haprimiddleeast.com



Contact Person: Mr. Niaz,
Marketing Manager

Type: Polyisocyanurate Insulation Board (Wall, Roof, Ceiling, Floor, Cladding)

Hapri Insulation Materials Manufacturing is one of the leading Manufacturer and Exporter of Polyisocyanurate Foam Board for Wall Insulation (External/Internal), Roof, Ceiling (Direct Paint Insulation available), Cladding, Cold Store , Pre-Insulated Duct Panels and Fabricated Ducts. Polyisocyanurate Foam Boards are available with different Laminations such as Fiber Glass and reflective Aluminum Foil depending upon the Applications.

We are having the honor of providing International quality products with best competitive prices and Minimum Delivery Time locally in UAE, Gulf Counties, Africa and to the sub continent.

GULF COOL THERM FACTORY LIMITED

Contact Details: P.O Box 22069, Sharjah
Tel: +971 6 5439600
Fax: +971 6 5439611
E-mail: gulfcool@emirates.net.ae
www.gulfcooltherm.com



Contact Person: Mr. Shaji, Marketing Manager

Gulf Cool Therm Factory Limited is an ISO 9001 Certified Company with Quality System certified by UKAS of United Kingdom. Gulf Cool Therm Factory Limited, as a manufacturers and suppliers of high quality: Polyisocyanurate, Polyurethane and Phenolic Foam Pipe, Duct, Wall, Roof, Tank and Vessel Insulations. Pre-insulated Pipes and Fittings for Industrial and District Cooling Applications. Phenolic Foam or PIR Pre-insulated Duct Insulation panel Polyurethane Spray applied Foam for Heat Insulation and Water Proofing Systems. With best CNC machineries in the field and quality material available, with highly qualified technical and commercial staff, we are confident that our product will comply with all international standard and definitely will meet your requirements. In order to facilitate our client with best service with respect to quality and prompt delivery, respective elements of production and marketing were provided and enhanced under a tight quality control.

Saudi Rockwool Factory

Contact Details: P.O. BOX 145 Riyadh 11383
Kingdom of Saudi Arabia
Tel: +966 1 2650034
Fax: +966 1 2650089
E-mail: mohammad@saudirockwool.com
www.giginsulation.com



Contact Person: Eng. Sami. D. AL Gharabli, Quality & Technical Support Manager.

Saudi Rockwool Factory was established in 1992 located in the third industrial area south of Riyadh, Saudi Rockwool Factory is a member of GIG (Gulf Insulation Group)
The factory is divided into two main sections; the first section contains three production lines that produce dark gray wool with a capacity of 6,000 tons/year. The second section contains two production lines that produce yellow wool with a capacity of 16,000 tons/year, total of 22,000 ton a year for both products.

Water Seal Insulation Mat. Cont. Co. LLC

Contact Details: P.O. BOX 24428, Sharjah
U.A.E.
Tel: +971 6 5614181
Fax: +971 6 5618120
Mob. +971 50 3734352
E-mail: w_seal@eim.ae
www.watersealuae.com



Contact Person: Shahid Abbas – Deputy Manager BD

A leading thermal insulation & waterproofing company in Middle east consisting team of professional engineers & technically trained and skilled work force. Water Seal offers waterproofing solutions, EIFS and Modern Combo Roofing System certified by DCL & Dubai Municipality.

STYRO Insulation Material Industries

Contact Details: P.O. BOX 29272, Sharjah Industrial Area 11
U.A.E.
Tel: +971 6 5344504
Fax: +971 6 5344506
E-mail: info@styrouae.com
www.styrouae.com



Contact Person: Eng. Mohammad Mahmoud, Technical Manager

STYRO Insulation Mat. Ind. (L.L.C) was founded in 1999 – producing and installing complete Expanded Polystyrene Solutions in the GCC for the past 15 years. It is therefore considered the number one EPS manufacturer in the region as the market leader and main supplier of EPS products.

2. Glazed Elements (Glass)

AGC Glass Group

Contact Details: P.O. BOX 12811
Office No. 1406, 14th floor
Sobha Sapphire Building, Business Bay
Business Bay, Al Khail Road Entrance, Dubai, U.A.E
Tel: +971 4 4534125
Mob: +971 50 6254860 / 50 4550089
E-mail: kumar@gutal.com / sam@gutal.com
www.gutal.com



Contact Person: Mr. T.V. Anup Kumar / Mr. Sandeep Sathiapalan

AGC Glass has been a fore runner in glass and coating technology since centuries. We have developed a whole range of glasses and coating which can be tempered & processed locally. We are also launching very shortly products like 'Stopray smart, which has an extended shelf life and can be used generally without any edge deletion. Hence with our products you can really earn more points on the LEED and other Green Building rating systems as you can save a lot of energy by using our energy efficient coatings. The float glass and soft coating of AGC are also 'cradle to cradle' certified. We also have Condensation Resistance Glasses, Fire Rated Glasses, LED glasses, Painted glasses, Extra Clear Mirrors and many other special products which can be used on interiors and exteriors of the building.

501.02 Thermal Bridging

Applicable Materials & Systems

1. Thermal Insulation Materials

Applicable Standards / Regulations

Dubai Municipality Admin. Resolution 66 / 2003, CIBSE Environmental design guide
ASTM C – 1363, ASTM C – 578, ASTM C – 612, BSEN – 13162 – 13165
ASHRAE 90.1

Availability of material

1. Thermal Insulation Materials

ISOFOAM ENGINEERING PRODUCTS LLC.

Contact Details: P.O. Box- 35220 Dubai
Tel: + 971 4 2861082
Fax: +971 4 2860821
e-mail: isofoam@emirates.net.ae
www.isofoamuae.com



Contact Person: Mr. Saad Kreidieh, General manager

ISOFOAM, a leader in building materials and energy efficiency solutions manufacturing zero ozone depleting **ISOBOARD green®** extruded polystyrene (XPS) rigid foam insulation and **hanex®** Acrylic Solid Surface to meet the requirements of green building.

ISOFOAM is ISO 9001: 2008 certified from BUREAU VERITAS for manufacturing and supplying – Certificate No. IND10.7766. ISOFOAM is DCL certified from Dubai Municipality licensing agreement no. CL05020002. The outstanding technology and quality have propelled ISOFOAM a leader in the field of building industry. Its products are regularly specified by leading International consultants and architects in GCC market & Middle East.

Energy Zone L.L.C.

Contact Details:

P.O.Box # 62650, Dubai
Tel-04-2671622, Fax-04-2671633
E mail. energyzo@eim.ae
www.energyzonecoating.com



Contact Person:

Eng. Claude Nasif,
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

Kuwait Insulating Material Manufacturing Co. (KIMMCO)

Contact Details:

P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,
Al Wuheida Road,
Al Mamzar, Dubai
Tel: +9714 2967660, Fax-04-2967550
E-mail: mshariff@alghanim.com / shariff@kimco.ae
www.kimmcoinsulations.com



KIMMCO

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

Styrene Insulation Industry

Contact Details:

P.O Box-9459, Abu Dhabi
Tel: +971 2 5511166 ,
Fax: +971 2 5511570,
e-mail: styrene@eim.ae
www.styrene-uae.com



Contact Person:

Mr. Sukesh Raghavan, Chief Accountant

Styrene Insulation Industry (SII) started its Expanded Polystyrene (EPS) Injection and Block Moulded Polystyrene products under the brand name Insolite in 1997. Our factory is equipped with the most modern equipments, manned by a team of technically trained and skilled work force, who continuously strive to achieve the highest standard of product quality.

ROOF CARE CO.L.L.C,

Contact Details:

P.O Box- 1813, U.A.Q.
Tel: +971 6 7670666, Fax:+971 6 7670198,
E-mail: roofcare@emirates.net.ae,
www.roof-care.com



Contact Person: Saji P. Varghese (+971 50 9387403)

The professional team of **ROOF-CARE** offers two comprehensive systems called: **"COMBO ROOF SYSTEM- for roof water proofing and heat insulation"** and **"Henkel Ceresit External Insulation Finishing System for External Walls"** with Dubai municipality's approval and manufacturer's performance guarantee.

FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah
Tel: +971 9 2222297
Fax: +971 9 2222573
E-mail: frf@emirates.net.ae
www.rockwoolfujairah.ae



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E- Mail: imallah@glasswool.ae
www.exeed.ae



GLASSWOOL
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256
E.mail: info@caparol.ae
www.caparol.ae

Contact Person: Mr.Ahmed El Bayaa,
Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

Mammut Building Systems Fzc

Contact Details: P.O Box-41668, HFZ , Sharjah
Tel: +971 4 8012921, Fax: + 971 4 8012223
E-mail: satya.prakash@mammut.ae
www.mammutsteel.ae



Contact Person: Mr. SatyaPrakash, QA/QC Dept

Mammut Building Systems (MBS), a subsidiary of Emaar Industries and Investments an associated company of Emaar Group is one of the largest manufacturers of Pre-Engineered Steel Buildings (PEB's) and Polyurethane Injected Sandwich Panels in the world. MBS is specialized in the design, manufacture and supply of PEB using the best engineering softwares and most advanced production machineries in the PEB industry.

FOAMGLAS Building

PITTSBURGH CORNING Europe (Rep. Office - Middle East)

Contact Details: Arenco Tower (Media City),
P.O. Box 213345, Dubai - UAE
Tel. +971 4 434 71 40, Fax +971 4 432 7109
Email: info@foamglas.ae
www.foamglas.ae



Contact Person: Marco Thomas Vincenz, General Manager

FOAMGLAS® comes out outstandingly well in this overall assessment. Long service life, safety, environmental compatibility and economic feasibility make FOAMGLAS® the preferred insulating material for the whole building envelope.

NATIONAL POLYSTYRENE PACKAGING FACTORY L.L.C.

Contact Details: P.O. Box-79970, Jabel Ali Industrial Area # 3
Dubai
Tel: +971 4 8802005
Fax: +971 4 8802006
E-mail: naplpak@emirates.net.ae
www.nppfdubai.com



Contact Person: Mr. Saeed Al Saghir, Managing Director

National Polystyrene Packaging Factory (NPPF) manufactures and market all types of Polystyrene Products which are related to Construction, Thermal Insulation, Geofoam, Packaging, Architectural works and Decorations, that will suit Customer's requirement. NPPF are serving U.A.E. & G.C.C. market since 1994 with excellent success.

National Polystyrene Packaging Factory is certified and Approved by prestigious private and public Certifying Institution, they are ISO 9001:2008 by M/s Lloyd's Register Quality Assurance, DCL Conformity Mark by M/s Dubai Municipality, Emirates Quality Mark by M/s Emirates Authority for Standardization & Metrology (ESMA), Emirates Green Building Council Corporate Membership by M/s Emirates Green Building Council

ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC

Contact Details: P.O. Box-5088, Sharjah
Tel: +971 6 5332114
Fax: +971 6 5332011
E-mail: eeishj@emirates.net.ae
www.eei-ae.com



Contact Person: Mr. M.J.Joseph

Electronic & Engineering Industries Co. LLC. was established in the year 1978 in Sharjah, U.A.E to manufacture Expanded Polystyrene Products. As a further expansion it was started its Extruded Polystyrene Factory (ROOFMASTER XPS) in Mussafah, Abu Dhabi during 2003

Hapri Insulation Materials Manufacturing

Contact Details: Tel. +971-4-3405466 Fax. +971-4-3405477
Post Box # 37875, Dubai, U.A.E.
E.mail: hapri@emirates.net.ae
www.haprimiddleeast.com



Contact Person: Mr.Niaz,
Marketing Manager

Type: Polyisocyanurate Insulation Board (Wall, Roof, Ceiling, Floor, Cladding)

Hapri Insulation Materials Manufacturing is one of the leading Manufacturer and Exporter of Polyisocyanurate Foam Board for Wall Insulation (External/Internal), Roof, Ceiling (Direct Paint Insulation available), Cladding, Cold Store , Pre-Insulated Duct Panels and Fabricated Ducts. Polyisocyanurate Foam Boards are available with different Laminations such as Fiber Glass and reflective Aluminum Foil depending upon the Applications.

We are having the honor of providing International quality products with best competitive prices and Minimum Delivery Time locally in UAE, Gulf Counties, Africa and to the sub continent.

GULF COOL THERM FACTORY LIMITED

Contact Details: P.O Box 22069, Sharjah
Tel: +971 6 5439600
Fax: +971 6 5439611
E-mail: gulfcool@emirates.net.ae
www.gulfcooltherm.com



Contact Person: Mr. Shaji, Marketing Manager

Gulf Cool Therm Factory Limited is an ISO 9001 Certified Company with Quality System certified by UKAS of United Kingdom. Gulf Cool Therm Factory Limited, as a manufacturers and suppliers of high quality: Polyisocyanurate, Polyurethane and Phenolic Foam Pipe, Duct, Wall, Roof, Tank and Vessel Insulations. Pre-insulated Pipes and Fittings for Industrial and District Cooling Applications. Phenolic Foam or PIR Pre-insulated Duct Insulation panel Polyurethane Spray applied Foam for Heat Insulation and Water Proofing Systems. With best CNC machineries in the field and quality material available, with highly qualified technical and commercial staff, we are confident that our product will comply with all international standard and definitely will meet your requirements. In order to facilitate our client with best service with respect to quality and prompt delivery, respective elements of production and marketing were provided and enhanced under a tight quality control.

Saudi Rockwool Factory

Contact Details: P.O. BOX 145 Riyadh 11383
Kingdom of Saudi Arabia
Tel: +966 1 2650034
Fax: +966 1 2650089
E-mail: mohammad@saudirockwool.com
www.giginsulation.com



Contact Person: Eng. Sami. D. AL Gharabli, Quality & Technical Support Manager.

Saudi Rockwool Factory was established in 1992 located in the third industrial area south of Riyadh, Saudi Rockwool Factory is a member of GIG (Gulf Insulation Group)
The factory is divided into two main sections; the first section contains three production lines that produce dark gray wool with a capacity of 6,000 tons/year. The second section contains two production lines that produce yellow wool with a capacity of 16,000 tons/year, total of 22,000 ton a year for both products.

Water Seal Insulation Mat. Cont. Co. LLC

Contact Details: P.O. BOX 24428, Sharjah
U.A.E.
Tel: +971 6 5614181
Fax: +971 6 5618120
Mob. +971 50 3734352
E-mail: w_seal@eim.ae
www.watersealuae.com



Contact Person: Shahid Abbas – Deputy Manager BD

A leading thermal insulation & waterproofing company in Middle east consisting team of professional engineers & technically trained and skilled work force. Water Seal offers waterproofing solutions, EIFS and Modern Combo Roofing System certified by DCL & Dubai Municipality.

STYRO Insulation Material Industries

Contact Details: P.O. BOX 29272, Sharjah Industrial Area 11
U.A.E.
Tel: +971 6 5344504
Fax: +971 6 5344506
E-mail: info@styrouae.com
www.styrouae.com



Contact Person: Eng. Mohammad Mahmoud, Technical Manager

STYRO Insulation Mat. Ind. (L.L.C) was founded in 1999 – producing and installing complete Expanded Polystyrene Solutions in the GCC for the past 15 years. It is therefore considered the number one EPS manufacturer in the region as the market leader and main supplier of EPS products.

501.03 Air Conditioning Design Parameters**Applicable Materials & Systems**

1. HVAC Equipments.

Applicable Standards / Regulations

ASHRAE – Hand book

Availability of material

1. HVAC Equipments

501.04 Air Loss from Entrance and Exit**Applicable Materials & Systems**

Barrier products and systems to prevent air condition from lost.

Applicable Standards / Regulations

Dubai Municipality Regulation

Availability of material

501.05 Air Leakage

Applicable Materials & Systems

Not Applicable

Applicable Standards / Regulations

ASTM E – 783
ASTM E- 1424

Availability of material

NOT APPLICABLE

502 Chapter 2: Conservation and Efficiency: Building Systems

502.01 Energy Efficiency – HVAC Equipment and Systems

Applicable Materials & Systems

1. HVAC Equipments (Energy Efficient)

Applicable Standards / Regulations

T1 – AR 1210/240
T3 – ISO 5151
AR 1210/240
T1 – AR1 361

	T1 AR1550/590, AR1560
	Availability of material
	1. HVAC Equipments (Energy Efficient)
502.02	Demand Controlled Ventilation
	Applicable Materials & Systems
	Demand controlled ventilation system using CO ₂ sensors
	Applicable Standards / Regulations
	ASHRAE – 62–2–2007
	Availability of material
	Demand controlled ventilation system using CO₂ sensors
	Not Applicable
502.03	Elevators and Escalators
	Applicable Materials & Systems
	<ol style="list-style-type: none"> 1. Energy saving escalators and elevators 2. Elevator/Escalator Control System
	Applicable Standards / Regulations
	ASTM F-916, DM/DEWA Green Building Regulation.
	Availability of material

1. Energy saving escalators and elevators
2. Elevator / Escalator Control system

Schindler Pars International Ltd.

Contact Details: P.O. Box 115117, Dubai
 Tel: +971 4 3819191, Fax: +971 4 3490561
 Call Center 800(724463537)
 E mail: infouae@ae.schindler.com
www.schindler.com



Schindler

Contact Person: Mr. Neville Lobo, Managing Director

Fully owned subsidiary of Schindler Holding, the Company is licensed to conduct the strategic growth targets of Schindler in key markets like Dubai, Abu Dhabi, Bahrain, Kuwait, Qatar and Oman, with the overall objectives to: sell, install and maintain Schindler elevators and escalators in the UAE; act as a Gulf Hub assisting distributors in commercial / technical activities, providing support for negotiation of key projects; establish a close working relation with consultants, architects, general contractors, developers and owners providing planning & technical support with vertical transportation solution for all types of buildings; create a perceptible presence of Schindler to customers and enhance the Schindler brand recognition in the market place.

502.04 Lighting Power Density - Interior

Applicable Materials & Systems

1. Internal Lighting

Applicable Standards / Regulations

ASHRAE 90.1-2007
 DEWA Regulations

Availability of material

1. Internal Lighting

502.05 Lighting Power Density - Exterior

Applicable Materials & Systems

1. External Lighting

Applicable Standards / Regulations

ASHRAE 90.1-2007
DEWA Regulations
ASHRAE 90 -1

Availability of material

1. External Lighting

502.06 Lighting Controls

Applicable Materials & Systems

1. Lighting Control System

Applicable Standards / Regulations

ASHRAE – 90-1
UK Building regulation L2A

Availability of material

1. Lighting Control System

502.07 Electronic Ballasts

Applicable Materials & Systems

1. Electronic Ballasts

Applicable Standards / Regulations

DEWA / DEWA Regulations
BSEN – 60928
ANSI – 682.11 – C

Availability of material

502.08	Control Systems for Heating, Ventilation and Air Conditioning (HVAC) Systems
	Applicable Materials & Systems
	1. Control System for HVAC System.
	Applicable Standards / Regulations
	ASHRAE 90-1-2007 Dubai Municipality/DEWA Regulations
	Availability of material
	1. Control System for HVAC System
502.09	Control Systems for Hotel Rooms
	Applicable Materials & Systems
	1. Light Control System 2. HVAC Control System
	Applicable Standards / Regulations
	ASHRAE 90-1-2007 Dubai Municipality / DEWA REGULATION
	Availability of material
	1. Light Control System
	2. HVAC Control System

502.10	Exhaust Air Energy Recovery Systems
	Applicable Materials & Systems
	1. Energy Recovery System
	Applicable Standards / Regulations
	DM/DEWA Green Building Regulation.
	Availability of material
	1. Energy Recovery System
502.11	Pipe and Duct Insulation
	Applicable Materials & Systems
	1. Duct Insulation Materials
	Applicable Standards / Regulations
	BS 5422:2009 ASTM C-518 / C-177
	Availability of material
	1. Duct Insulation Materials
	Kuwait Insulating Material Manufacturing Co. (KIMMCO) Contact Details: P.O. Box 9207, Al Wasel Al Mamzar Bldg. , Al Wuheida Road, Al Mamzar, Dubai Tel: +9714 2967660,Fax-04-2967550 E-mail: mshariff@alghanim.com / shariff@kimco.ae www.kimmcoinsulations.com



KIMMCO

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah
Tel: +971 9 2222297
Fax: +971 9 2222573
E-mail: frf@emirates.net.ae
www.rockwoolfujairah.ae



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E- Mail: imallah@glasswool.ae
www.exeed.ae



GLASSWOOL
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

Saudi Rockwool Factory

Contact Details: P.O. BOX 145 Riyadh 11383
Kingdom of Saudi Arabia
Tel: +966 1 2650034
Fax: +966 1 2650089
E-mail: mohammad@saudirockwool.com
www.giginsulation.com



Contact Person: Eng. Sami. D. AL Gharabli, Quality & Technical Support Manager.

Saudi Rockwool Factory was established in 1992 located in the third industrial area south of Riyadh, Saudi Rockwool Factory is a member of GIG (Gulf Insulation Group)

The factory is divided into two main sections; the first section contains three production lines that produce dark gray wool with a capacity of 6,000 tons/year. The second section contains two production lines that produce yellow wool with a capacity of 16,000 tons/year, total of 22,000 ton a year for both products.

502.12 Thermal Storage for District Cooling

	Applicable Materials & Systems
	Thermal energy storage tank, Thermal energy storage systems & controls.
	Applicable Standards / Regulations
	Executive Order No. 27
	Availability of material
502.13	Ductwork Air Leakage
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Regulations
	Availability of material
	Not Applicable
502.14	Maintenance of Mechanical Systems
	Applicable Materials & Systems
	Air duct pressure testing equipment / system.
	Applicable Standards / Regulations
	ASHRAE 62 – 1 Dubai Municipality Regulations

	Availability of material
503	Chapter 3: Commissioning and Management
503.01	Commissioning of Building Services – New Buildings
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	CIBSE Commissioning Code Dubai Municipality Code
	Availability of material
	Not Applicable
503.02	Re-Commissioning of Building Services – Existing Buildings
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	CIBSE Commissioning Code Dubai Municipality Code
	Availability of material
	Not Applicable
503.03	Electricity Metering

	Applicable Materials & Systems
	1. Electricity Meter
	Applicable Standards / Regulations
	DEWA Specification CIBSE TM - 22
	Availability of material
	1. Electricity Meter
503.04	Air Conditioning Metering
	Applicable Materials & Systems
	1. Air conditioning meter
	Applicable Standards / Regulations
	DEWA Specification
	Availability of material
503.05	Central Control and Monitoring System
	Applicable Materials & Systems
	1. Control and Monitoring System for HVAC
	Applicable Standards / Regulations

Availability of material

1. Control and Monitoring System for HVAC

504

Chapter 4: Onsite Systems: Generation & Renewable Energy

504.01

On-Site Renewable Energy – Small to Medium Scale Embedded Generators

Applicable Materials & Systems

1. Generators

Applicable Standards / Regulations

DEWA Regulations
BS - 7671

Availability of material

504.02

Outdoor Lighting

Applicable Materials & Systems

1. Outdoor lighting system based on renewable energy system.

Applicable Standards / Regulations

ASHRAE – 90.1
Dubai Municipality / DEWA Regulations

Availability of material

1. Renewable Energy System (Solar Energy)

504.03 On-Site Renewable Energy – Solar Water Heating System

Applicable Materials & Systems

1. Solar Water Heater

Applicable Standards / Regulations

Dubai Municipality / DEWA Regulations

Availability of material

1. Solar Water Heater

Accutrol Systems General Trading LLC

Contact Details: P.O. BOX 11259
Dubai, U.A.E.
Tel: +971 4 4572790
Fax: +971 4 4572791
E-mail: Info@accutrol.org
www.accutrol.org



Contact Person: Atef Mosharbash, General Manager

We are Accutrol systems supplier of MEP products and systems such as water heater, gas boilers, Calorifiers and solar water heater, we also has installation team to provide installation service and maintenance service.

Abusafieh Trading L.L.C.

Contact Details: P.O. BOX 36338
Dubai, U.A.E.
Tel: +971 4 2670997
Fax: +971 4 2670977
E-mail: ziad@abusafieh.com
www.abusafiehgroupp.com



أبوصفيه التجارية (ش.ذ.م.م.)
ABUSAFIEH TRADING (L.L.C.)



Contact Person: Eng.ZiadBadawi, Regional Sales Manager.
Mob +971-50-7496297

Abusafieh is a Dubai-based company, since 1997, specialized in trading and distributing many of the leading European products for Renewable Energy and Green Environment, Greywater Recycling System, and Advanced Water Supply and Drainage System .

ECOVAL TRADING LLC

Contact Details:

P.O. BOX 83021

Dubai, U.A.E.

Tel: +971 4 4473442

Fax: +971 4 4473441

E-mail: jim@ecovalme.com / ecoval@ecovalme.comwww.ecovalme.com

Contact Person: Jim Sebastian

Supply, Installation, Testing & Commissioning for Solar Water Heating Systems, Heat Pumps, Heating and Cooling systems for domestic & industrial purpose.

SOLAIR SOLAR ENERGY SYSTEMS & COMPONENTS TRADING LLC.

Contact Details:

P.O. BOX 113560

Dubai, U.A.E.

Tel: +971 4 4472718

Fax: +971 4 4472720

E-mail: solairdubai@eim.aewww.globalenergygrp.com

Contact Person: Suresh Perera

We would like to introduce our team as a part of the Global Energy GROUP, which has a reputation of being one of the leading green energy solution oriented business establishments in the U. A. E.

M/S FAISAL JASSIM TRADING CO. L.L.C.

Contact Details:

P.O. BOX 1871

Dubai, U.A.E.

Tel: +971 4 8105105

Fax: +971 4 8105106

E-mail: Osman@fjtco.comwww.faisaljassim.ae

Contact Person: Mr. Osman Daknach, Division Manager
+971 50 7582342

M/S FAISAL JASSIM TRADING CO. L.L.C. was established in 1988, as a partnership between a number of qualified engineers, specialized in the Electrical & Mechanical fields related to the building services industry. In just over a decade, Faisal Jassim has forged for itself a venerable reputation of expertise and excellence in its fields.

Hamad Rahma Abdulla Al Shamsi Gen. Trd.

Contact Details:

P.O. BOX 4067

Dubai, U.A.E.

Tel: +971 4 2666429

Fax: +971 4 2693407

E-mail: saleem@hrshamsi.com, info@hrshamsi.comwww.alshamsitrading.com

Contact Person: Mohd. Saleem K

A national UAE Company, since 1955, pioneers in the field of building material with decades of proven experience. We supply & commission (solar, electric, gas-fired) water heaters/calorifiers, sanitaryware with fittings, tiles and wooden flooring.

FOURWAY TRADING

Contact Details:

806 Business Point Bldg.,
Ittihad Road, Dubai, U.A.E.
P.O. BOX 50451
Dubai, U.A.E.
Tel: +971 4 2942947
Fax: +971 4 2942948
E-mail: fourway@eim.ae, fourwaytrading@yahoo.com
www.fouway.ae



Contact Person: Mr. Mohamed Hilal (CEO)

Fourway Trading was established in year 1997 by the sole owner Mr. Mohamed Hilal Khalfan Almazrooei. The company engaged in general trading distributing all disposable non-food and food items.

ROYAL SMART TECHNOLOGY L.L.C FZC

Contact Details:

P.O. BOX 50065
Fujairah, U.A.E.
Tel: +971 9 2236021
Fax: +971 9 2236032
E-mail: fidic_1991@yahoo.com



Contact Person: MR. MOHAMED A.A MARZOUK / MR. AHMED A.H. MARZOUK /
MR. AHMED A.A. MARZOUK

Royal smart technology is company located in Fujairah free zone and we are specialist in manufacturing and assembling solar heater, water mixer, heater Equipment, Lighting Equipment, Solar Energy System & components equipment & requisites & spare parts.

BIN MOOSA & DALY LTD L.L.C

Contact Details:

P.O. BOX 8742
Dubai, U.A.E.
Tel: +971 4 3285976
Fax: +971 4 3285473
E-mail: joe@moosa-daly.com
www.moosa-daly.com



Contact Person: MR. Joe Barron, Business Development Engineer

Bin Moosa & Daly is a supplier of building materials with a focus on water – Solar Water Heating, pumps/pressure systems, drainage systems, high end bespoke floor drains, solar water heaters, metering systems, grease/oil separators, water conserving valves, waste water recovery systems, non-chemical solutions for commercial swimming pools, etc. Please see the link to our website for more product details and the international brands we represent. www.moosa-daly.com .

We have been established 44 years ago by our founder Michael F Daly. We are an ISO 9001 accredited company. We have branches in Al Ain and Abu Dhabi with logistics and technical service support and spare parts centres attached to each branch.

600

Section Six
Resource
Effectiveness: Water

601	Chapter 1: Conservation and Efficiency
601.01	Water Efficient Fittings
	Applicable Materials & Systems
	<ol style="list-style-type: none"> 1. Water Conserving Fixtures 2. Dual Flush
	Applicable Standards / Regulations
	EN 817 – Sanitary Tap ware DM / DEWA Regulation
	Availability of material
	1. Water Conserving Fixtures
	<p>Baenninger Trading LLC. Contact Details: P.O. Box-474150, Dubai Tel: 04 –8857955, Fax: 04 - 8857765 E mail: brme@eim.ae www.baenninger.de</p> <p>Contact Person: Christopher Stark, Managing Director</p> <p>Materials we supply:</p> <ul style="list-style-type: none"> - Pressure pipes and fittings made of PP-R; HDPE 100; UPVC in various dimensions - Drainage pipe systems underground UPVC and PP (KG2000) - Indoor waste water pipe systems HT-PP and Skolan db (Soundproof) <p>Baenninger Trading supplies high quality and ecological pipes and fittings made of various plastics. Our main fields of application are gas and water supply as well as drainage and sewage.</p>
	2. Dual Flush
601.02	Condensate Drainage
	Applicable Materials & Systems



1. Condensate Drainage System

Applicable Standards / Regulations

DM/DEWA Green Building Regulation.

Availability of material

Not Applicable

601.03 Condensate Recovery

Applicable Materials & Systems

1. Condensate Drainage System

Applicable Standards / Regulations

Dubai Municipality Regulation

Availability of material

601.04 Water Efficient Irrigation

Applicable Materials & Systems

1. Water Efficient Irrigation System

Applicable Standards / Regulations

DM/DEWA Green Building Regulation.

Availability of material

602	Chapter 2: Commissioning and Management
602.01	Water Metering
	Applicable Materials & Systems
	1. Water Meter
	Applicable Standards / Regulations
	DEWA Specification
	Availability of material
	1. Water meter
603	Chapter 3: Onsite Systems: Recovery and Treatment
603.01	Water Reuse
	Applicable Materials & Systems
	1. Dual Plumbing (Potable & Non Potable Water)
	Applicable Standards / Regulations
	Dubai Municipality Technical Guide 62 Dubai Municipality Regulations DEWA Specification
	Availability of material
	1. Dual Plumbing (Potable & Non Potable Water)

Baenninger Trading LLC.

Contact Details: P.O. Box-474150, Dubai
 Tel: 04 –8857955, Fax: 04 - 8857765
 E mail: brme@eim.ae
 www.baenninger.de



Contact Person: Christopher Stark, Managing Director

Materials we supply:

- Pressure pipes and fittings made of PP-R; HDPE 100; UPVC in various dimensions
- Drainage pipe systems underground UPVC and PP (KG2000)
- Indoor waste water pipe systems HT-PP and Skolan db (Soundproof)

Baenninger Trading supplies high quality and ecological pipes and fittings made of various plastics. Our main fields of application are gas and water supply as well as drainage and sewage.

603.02 Water Consumption for Heat Rejection Including Cooling Towers

Applicable Materials & Systems

1. Water Meter

Applicable Standards / Regulations

DEWA Specification

Availability of material

1. Water meter



700

Section Seven

**Resource Effectiveness:
Materials and Waste**

701	Chapter 1: Materials and Resources
701.01	Thermal and Acoustical Insulation Materials
	Applicable Materials & Systems
	<ol style="list-style-type: none"> 1. Thermal Insulation Materials 2. Acoustic Insulation
	Applicable Standards / Regulations
	ASTM C – 578, c- 612 BSEN – 13162 to 13165 Dubai Municipality Specification Dubai Municipality Ad. Regulation 66/2003
	Availability of material
	1. Thermal Insulation Materials
	<p>ISOFOAM ENGINEERING PRODUCTS LLC.</p> <div> <div> <p>Contact Details:</p> <p>P.O. Box- 35220 Dubai</p> <p>Tel: + 971 4 2861082</p> <p>Fax: +971 4 2860821</p> <p>e-mail: isofoam@emirates.net.ae</p> <p>www.isofoamuae.com</p> </div> <div>  </div> </div> <p>Contact Person: Mr. Saad Kreidieh, General manager</p> <p>ISOFOAM, a leader in building materials and energy efficiency solutions manufacturing zero ozone depleting ISOBOARD green® extruded polystyrene (XPS) rigid foam insulation and hanex® Acrylic Solid Surface to meet the requirements of green building.</p> <p>ISOFOAM is ISO 9001: 2008 certified from BUREAU VERITAS for manufacturing and supplying – Certificate No. IND10.7766. ISOFOAM is DCL certified from Dubai Municipality licensing agreement no. CL05020002. The outstanding technology and quality have propelled ISOFOAM a leader in the field of building industry. Its products are regularly specified by leading International consultants and architects in GCC market & Middle East.</p>

Energy Zone L.L.C.

Contact Details:

P.O.Box # 62650, Dubai
Tel-04-2671622, Fax-04-2671633
E mail. energyzo@eim.ae
www.energyzonecoating.com



Contact Person:

Eng. Claude Nasif,
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

Kuwait Insulating Material Manufacturing Co. (KIMMCO)

Contact Details:

P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,
Al Wuheida Road,
Al Mamzar, Dubai
Tel: +9714 2967660, Fax-04-2967550
E-mail: mshariff@alghanim.com / shariff@kimco.ae
www.kimmcoinsulations.com



KIMMCO

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

Styrene Insulation Industry

Contact Details:

P.O Box-9459, Abu Dhabi
Tel: +971 2 5511166 ,
Fax: +971 2 5511570,
e-mail: styrene@eim.ae
www.styrene-uae.com



Contact Person:

Mr. Sukesh Raghavan, Chief Accountant

Styrene Insulation Industry (SII) started its Expanded Polystyrene (EPS) Injection and Block Moulded Polystyrene products under the brand name Insolite in 1997. Our factory is equipped with the most modern equipments, manned by a team of technically trained and skilled work force, who continuously strive to achieve the highest standard of product quality.

ROOF CARE CO.L.L.C,

Contact Details:

P.O Box- 1813, U.A.Q.
Tel: +971 6 7670666, Fax:+971 6 7670198,
E-mail: roofcare@emirates.net.ae,
www.roof-care.com



Contact Person: Saji P. Varghese (+971 50 9387403)

The professional team of **ROOF-CARE** offers two comprehensive systems called: **"COMBO ROOF SYSTEM- for roof water proofing and heat insulation"** and **"Henkel Ceresit External Insulation Finishing System for External Walls"** with Dubai municipality's approval and manufacturer's performance guarantee.

FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah
Tel: +971 9 2222297
Fax: +971 9 2222573
E-mail: frf@emirates.net.ae
www.rockwoolfujairah.ae



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region.

It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

Exeed Glasswool LLC.

Contact Details: Industrial City of Abdu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E- Mail: imallah@glasswool.ae
www.exeed.ae



GLASSWOOL
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256
E.mail: info@caparol.ae
www.caparol.ae

Contact Person: Mr.Ahmed El Bayaa,
Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

Mammut Building Systems Fzc

Contact Details: P.O Box-41668, HFZ , Sharjah
Tel: +971 4 8012921, Fax: + 971 4 8012223
E-mail: satya.prakash@mammut.ae
www.mammutsteel.ae



Contact Person: Mr. SatyaPrakash, QA/QC Dept

Mammut Building Systems (MBS), a subsidiary of Emaar Industries and Investments an associated company of Emaar Group is one of the largest manufacturers of Pre-Engineered Steel Buildings (PEB's) and Polyurethane Injected Sandwich Panels in the world. MBS is specialized in the design, manufacture and supply of PEB using the best engineering softwares and most advanced production machineries in the PEB industry.

FOAMGLAS Building

PITTSBURGH CORNING Europe (Rep. Office - Middle East)

Contact Details: Arenco Tower (Media City),
P.O. Box 213345, Dubai - UAE
Tel. +971 4 434 71 40, Fax +971 4 432 7109
Email: info@foamglas.ae
www.foamglas.ae



Contact Person: Marco Thomas Vincenz, General Manager

FOAMGLAS® comes out outstandingly well in this overall assessment. Long service life, safety, environmental compatibility and economic feasibility make FOAMGLAS® the preferred insulating material for the whole building envelope.

NATIONAL POLYSTYRENE PACKAGING FACTORY L.L.C.

Contact Details: P.O. Box-79970, Jabel Ali Industrial Area # 3
Dubai
Tel: +971 4 8802005
Fax: +971 4 8802006
E-mail: naplpak@emirates.net.ae
www.nppfdubai.com



Contact Person: Mr. Saeed Al Saghir, Managing Director

National Polystyrene Packaging Factory (NPPF) manufactures and market all types of Polystyrene Products which are related to Construction, Thermal Insulation, Geofoam, Packaging, Architectural works and Decorations, that will suit Customer's requirement. NPPF are serving U.A.E. & G.C.C. market since 1994 with excellent success.

National Polystyrene Packaging Factory is certified and Approved by prestigious private and public Certifying Institution, they are ISO 9001:2008 by M/s Lloyd's Register Quality Assurance, DCL Conformity Mark by M/s Dubai Municipality, Emirates Quality Mark by M/s Emirates Authority for Standardization & Metrology (ESMA), Emirates Green Building Council Corporate Membership by M/s Emirates Green Building Council

ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC

Contact Details: P.O. Box-5088, Sharjah
Tel: +971 6 5332114
Fax: +971 6 5332011
E-mail: eeishj@emirates.net.ae
www.eei-ae.com



Contact Person: Mr. M.J. Joseph

Electronic & Engineering Industries Co. LLC. was established in the year 1978 in Sharjah, U.A.E to manufacture Expanded Polystyrene Products. As a further expansion it was started its Extruded Polystyrene Factory (ROOFMASTER XPS) in Mussafah, Abu Dhabi during 2003

Hapri Insulation Materials Manufacturing

Contact Details: Tel. +971-4-3405466 Fax. +971-4-3405477
Post Box # 37875, Dubai, U.A.E.
E.mail: hapri@emirates.net.ae
www.haprimiddleeast.com



Contact Person: Mr. Niaz,
Marketing Manager

Type: Polyisocyanurate Insulation Board (Wall, Roof, Ceiling, Floor, Cladding)

Hapri Insulation Materials Manufacturing is one of the leading Manufacturer and Exporter of Polyisocyanurate Foam Board for Wall Insulation (External/Internal), Roof, Ceiling (Direct Paint Insulation available), Cladding, Cold Store , Pre-Insulated Duct Panels and Fabricated Ducts. Polyisocyanurate Foam Boards are available with different Laminations such as Fiber Glass and reflective Aluminum Foil depending upon the Applications.

We are having the honor of providing International quality products with best competitive prices and Minimum Delivery Time locally in UAE, Gulf Counties, Africa and to the sub continent.

GULF COOL THERM FACTORY LIMITED

Contact Details: P.O Box 22069, Sharjah
Tel: +971 6 5439600
Fax: +971 6 5439611
E-mail: gulfcool@emirates.net.ae
www.gulfcooltherm.com



Contact Person: Mr. Shaji, Marketing Manager

Gulf Cool Therm Factory Limited is an ISO 9001 Certified Company with Quality System certified by UKAS of United Kingdom. Gulf Cool Therm Factory Limited, as a manufacturers and suppliers of high quality: Polyisocyanurate, Polyurethane and Phenolic Foam Pipe, Duct, Wall, Roof, Tank and Vessel Insulations. Pre-insulated Pipes and Fittings for Industrial and District Cooling Applications. Phenolic Foam or PIR Pre-insulated Duct Insulation panel Polyurethane Spray applied Foam for Heat Insulation and Water Proofing Systems. With best CNC machineries in the field and quality material available, with highly qualified technical and commercial staff, we are confident that our product will comply with all international standard and definitely will meet your requirements. In order to facilitate our client with best service with respect to quality and prompt delivery, respective elements of production and marketing were provided and enhanced under a tight quality control.

Saudi Rockwool Factory

Contact Details: P.O. BOX 145 Riyadh 11383
Kingdom of Saudi Arabia
Tel: +966 1 2650034
Fax: +966 1 2650089
E-mail: mohammad@saudirockwool.com
www.giginsulation.com



Contact Person: Eng. Sami. D. AL Gharabli, Quality & Technical Support Manager.

Saudi Rockwool Factory was established in 1992 located in the third industrial area south of Riyadh, Saudi Rockwool Factory is a member of GIG (Gulf Insulation Group)
The factory is divided into two main sections; the first section contains three production lines that produce dark gray wool with a capacity of 6,000 tons/year. The second section contains two production lines that produce yellow wool with a capacity of 16,000 tons/year, total of 22,000 ton a year for both products.

STYRO Insulation Material Industries

Contact Details: P.O. BOX 29272, Sharjah Industrial Area 11
U.A.E.
Tel: +971 6 5344504
Fax: +971 6 5344506
E-mail: info@styrouae.com
www.styrouae.com



Contact Person: Eng. Mohammad Mahmoud, Technical Manager

STYRO Insulation Mat. Ind. (L.L.C) was founded in 1999 – producing and installing complete Expanded Polystyrene Solutions in the GCC for the past 15 years. It is therefore considered the number one EPS manufacturer in the region as the market leader and main supplier of EPS products.

2. Acoustic Insulation

Kuwait Insulating Material Manufacturing Co. (KIMMCO)

Contact Details: P.O. Box 9207, Al Wasel Al Mamzar Bldg. ,
Al Wuheida Road,
Al Mamzar, Dubai
Tel: +9714 2967660, Fax-04-2967550
E-mail: mshariff@alghanim.com / shariff@kimco.ae
www.kimmcoinsulations.com



KIMMCO

Contact Person: Mr. Munvar Shariff, Regional Sales Manager

Kuwait Insulating Material Manufacturing Co., (KIMMCO) is a market leading insulation solution provider in the Middle East, Africa, the Far East and other Asian countries. It manufactures and supplies customized and cost effective, reflective, acoustical and fire resistant insulation products as per International Standards.

FUJAIRAH ROCKWOOL FACTORY

Contact Details: P.O Box 211, Fujairah
Tel: +971 9 2222297
Fax: +971 9 2222573
E-mail: frf@emirates.net.ae
www.rockwoolfujairah.ae



Contact Person: Mr. J.M.Flores, Quality Management Representative

Fujairah Rockwool Factory was founded in 1982 in Fujairah, United Arab Emirates as a manufacturer of Rockwool insulation products in the GCC region. It begun with an annual capacity of 5000 metric tons, the factory has since then expanded operations to 40,000 metric tons per year and is today the largest manufacturer of insulation products in the GCC with supplies being sent to the Middle East, the Far East and other parts of the world besides the GCC countries.

Exeed Glasswool LLC.

Contact Details:

Industrial City of Abdu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E- Mail: imallah@glasswool.ae
www.exeed.ae



GLASSWOOL
INSULATION TECHNOLOGY

Contact Person: Mr. Imad Mallah, Sales Manger

Exeed Glasswool factory is located in the Industrial City of Abu Dhabi ICAD 1. The factory has a production capacity of 12,000 tonnes per year of Glasswool products, such as blankets, boards and pipe insulation.

Exeed Glasswool insulation is committed to care for the planet with application of the new generation processes technology in production assuring lower consumption of energy.

Caparol LLC.

Contact Details:

Tel.04 - 3473538 Fax.04-3474256
E.mail: info@caparol.ae
www.caparol.ae

Contact Person:

Mr.Ahmed El Bayaa,
Regional Sales Manager



Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

Saudi Rockwool Factory

Contact Details:

P.O. BOX 145 Riyadh 11383
Kingdom of Saudi Arabia
Tel: +966 1 2650034
Fax: +966 1 2650089
E-mail: mohammad@saudirockwool.com
www.giginsulation.com



Contact Person: Eng. Sami. D. AL Gharabli, Quality & Technical Support Manager.

Saudi Rockwool Factory was established in 1992 located in the third industrial area south of Riyadh, Saudi Rockwool Factory is a member of GIG (Gulf Insulation Group)

The factory is divided into two main sections; the first section contains three production lines that produce dark gray wool with a capacity of 6,000 tons/year. The second section contains two production lines that produce yellow wool with a capacity of 16,000 tons/year, total of 22,000 ton a year for both products.

701.02 Certified / Accredited Timber

	Applicable Materials & Systems
	1. Timber
	Applicable Standards / Regulations
	Timber Certification as per Dubai Municipality
	Availability of material
	1. Timber
701.03	Asbestos Containing Materials
	Applicable Materials & Systems
	1. Asbestose Free Materials
	Applicable Standards / Regulations
	U.A.E. Federal Ministry Order 42 – 2008 Dubai Municipality Technical Guideline – 48
	Availability of material
701.04	Lead or Heavy Metals Containing Materials
	Applicable Materials & Systems
	1. Paints 2. Coating 3. Adhesive 4. Sealants
	Applicable Standards / Regulations

Availability of material

- 1. Paints**
- 2. Coatings**

Jotun Paints

Contact Details: Jotun UAE Ltd. P.O.Box 3671,
Al Quoz, Dubai.
Tel 04 3395000 Fax: 04 3380666
E mail: csd@jotundxb.ae
<http://www.jotun.com/me>



Contact Person: Mr. Wael Fahmy
Regional sales Manager

Founded in 1926 in Norway and established in the Middle East since 1974, Jotun - one of the world's leading paint manufacturers, contributes to the environment by developing and offering competitive, sustainable products and solutions. A truly single source solution for clients, consultants and contractors alike.

Energy Zone L.L.C.

Contact Details: P.O.Box # 62650, Dubai
Tel-04-2671622, Fax-04-2671633
E mail. energyzo@eim.ae
www.energyzonecoating.com



Contact Person: Eng. Claude Nasif,
Managing Director

Green, Energy Saving & Energy Star Approved Coatings & Paints. Zero VOC & Low VOC Interior and Exterior Paints Including Waterproofing, Insulating, Protective, Decorative, Soundproofing, Industrial, Anti-Corrosion...
Coatings for Roofs, Walls, Floors, Tanks & More. Saving Energy while Preserving Environment & Atmosphere

Caparol LLC.

Contact Details: Tel.04 - 3473538 Fax.04-3474256
E.mail: info@caparol.ae
www.caparol.ae



Contact Person: Mr.Ahmed El Bayaa,
Regional Sales Manager

Products Offered: Paints, Concrete Coatings & Thermal Insulation

The Caparol Group develops, produces and markets high quality paints, enamels, glazes, structural coatings, materials for facade and insulation technology. It is the market leader for building paints in Germany, Austria and Turkey and with over € 1 billion turnover, it is the third largest company in Europe within this business field. The group's headquarters is in the northern Odenwald region in Germany about 35 kilometres from the Frankfurt Rhine-Main Airport.

AkzoNobel

Contact Details: P.O Box 290, Al Quoz, Dubai
Tel: +971 4 3472491, Fax: +971 4 3472339
E- mail: tenders.me@akzonobel.com
www.akzonobel.com



Contact Person: Mr. Simon Major,
General Manager (M.E. Business Development)

AkzoNobel is the largest global paint and coatings company and a major producer of speciality chemicals. We supply industries and consumers worldwide with innovative products and are passionate about developing sustainable answers for our customers. Our portfolio includes well known brands such as Dulux, Sikkens, International and Eka. We are a Global Fortune 500 company and are consistently ranked as one of the leaders on the Dow Jones Sustainability index. With operations in more than 80 countries, our 55,000 employees around the world are committed to excellence and delivering Tomorrow's Answers Today

Berger Paints Emirates Ltd LLC.

Contact Details: Post Box 27524, Dubai
Al Quoz Industrial Area 1, Dubai, U.A.E.
Tel: +971 4 3391000, Fax: +971 4 3391322
E- mail: mustafa.turra@bergeronline.com
www.bergeronline.com/gcc



Contact Person: Mr. Mustafa Turra, Marketing Manager

Berger Paints Emirates Ltd is part of Berger International Limited, Singapore which is a listed company on Singapore Exchange. Also, Berger Paints is a part of Asian Paints group which is today among the top 5 decorative paint companies in the world. Berger Paints is operating in the UAE market since 1985 and is pioneer in the field of decorative, protective, industrial and wood paints in the region.

National Paints

Contact Details: P.O Box 5822, Sharjah
Tel: 06 5340111, Fax: 06 5340222
E- mail: technic@national-paints.com



Contact Person: Gopal Kanojia,
Technical Manager

Through two of the biggest research and development labs and technical collaboration with international entities such as "Trans Ocean" from Holland, "Italtinto" from Italy, National Paints' product line is constantly updated in accordance with the demands of each separate market involved.

National Paints expanding product range and its strive for quality have granted it several international awards of recognition. Its reputation has given full support to undergo paint projects for hotels, airports, government corporations, hospitals, cultural institutions and other private and public sectors in various countries.

MAS Paints and Chemicals Industry

Contact Details: P.O Box 23085, Sajja Industrial area, Sharjah
Tel: 06 5311777, Fax: 06 5311330
E- mail: maspaints@emirates.net.ae
www.maspaints.com



Contact Person: Mr. Marwan Al Atrash,
Managing director

MAS Paints is widely known as pioneer in high performance wood coatings in the Middle East. Through its manufacturing units and showrooms, a wide range of decorative and finishing products are offered to end users, meeting all possible requirements from traditional craftsmen and joineries to the latest applications of UV curing and the low VOC lacquers (solvents and water-based). In addition to our traditional NC, PU and Acid Curing, our product range includes Dyes, Stains, Thinners, Polyester, Acrylics, Epoxy (for industrial application). Architectural paints and special effect decorative paints, where the most severe finishing applications from reputable hotels and palaces are met.

Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai
Tel: 04 - 2039699 Fax: 04 - 2859649
E-mail: agf@fosroc.com
www.fosroc.com



constructive solutions

Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

NanoPhos SA (Nilgiris International FZCO)

Contact Details: P.O Box 54877, Dubai
Tel: +971 4 2998699, Fax: +971 4 2998698
E- mail: Krishnan@nilgiriszco.com



Contact Person: Mr.A.N.Krishnan,
General Manager (Operations)

NanoPhos manufactures environment friendly, water based, energy saving, water repelling, self cleaning & green products to protect porous and non-porous substrates such as concrete, natural stone, marble, granite, ceramic tiles, gypsum, natural wood, metals and glass. Nilgiris International FZCO is an international trading & marketing organization established in the year 2008 and located in Dubai Airport Free Zone. We represent NanoPhos SA, Greece as their Distributors in U.A.E., Oman & India.

HEMPEL (EMIRATES)L.L.C.

Contact Details: Interchange 8, Sajaa Industrial Area, Al Dhaid Road
P.O Box 2000, Sharjah, U.A.E.
Tel: +971 6 5310140, Fax: +971 6 5310141
www.hempel.com



Contact Person: Laurence Brown – Country Manager

Hempel was founded in Copenhagen on 4 July 1915, Today Hempel has 49 sales offices, 20 factories, and more than 150 stock points and agents around the world. Hempel is committed to providing customers with top quality products and services. Hempel is producing and supplying a wide range of high-quality paints and services for the marine, container, protective, yacht and decorative market segments. Hempel offers a complete system of primers, sealers, fillers, high quality emulsions and enamels, wide range of various texture paints and a number of special-effects paints to complement the assortment.

3. Adhesives

Falcon Chemicals

Contact Details: P.O Box 2924, Dubai
Tel: 04 - 8801444 Fax: 04 - 8801717
E-mail: inquiry@falconchemicals.com
www.falconchemicals.com



Contact Person: Mr. Qazi, Marketing Manager

We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.

MAPEI (I.B.S. Innovative Building Solutions LLC.)

Contact Details: Post Box # 73869, Dubai
Tel: 04 815 6666 Fax: 04 815 6655
E-Mail l.haboubi@ibs-mapei.ae
www.mapei.ae



Contact Person: Mr. Laith Haboubi (Regional Director)

Founded in Milan, Italy in 1937, Mapei is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building with distinctive product lines which range from waterproofers to special mortars, from concrete admixtures to products for the restoration of ancient buildings. MAPEI has 68 subsidiaries with 58 production facilities in operation spread across 27 countries in five continents. MAPEI's UAE subsidiary, Innovative Building Solutions LLC was formed as part of its long-term commitment to the Middle East. The company commenced production in February 2009, at its 40,000 m2 facility at Dubai Investments Park.

Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai
Tel: 04 - 2039699 Fax: 04 - 2859649
E-mail: agf@fosroc.com
www.fosroc.com



Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

4. Sealants

Falcon Chemicals**Contact Details:**

P.O Box 2924, Dubai
 Tel: 04 - 8801444 Fax: 04 - 8801717
 E-mail: inquiry@falconchemicals.com
www.falconchemicals.com



Contact Person: Mr. Qazi, Marketing Manager

We offer a wide variety of products used in the construction industry. Our products have been used for more than 20 years in most of the prestigious projects all over the Middle East. The products for the construction industry are Tile Adhesives and Grouts, concrete repair mortars, specially formulated adhesives for marble, natural stones and polystyrene, bonding key coat, floor hardener, self leveling compound and Epoxy/polyurethane coating etc.

MAPEI (I.B.S. Innovative Building Solutions LLC.)

Contact Details: Post Box # 73869, Dubai
 Tel: 04 815 6666 Fax: 04 815 6655
 E-Mail l.haboubi@ibs-mapei.ae
www.mapei.ae



Contact Person: Mr. Laith Haboubi (Regional Director)

Founded in Milan, Italy in 1937, Mapei is today the world leader in the production of adhesives and complementary products for the installation of all types of floor and wall coverings. The company is also specialized in other chemical products for building with distinctive product lines which range from waterproofers to special mortars, from concrete admixtures to products for the restoration of ancient buildings. MAPEI has 68 subsidiaries with 58 production facilities in operation spread across 27 countries in five continents. MAPEI's UAE subsidiary, Innovative Building Solutions LLC was formed as part of its long-term commitment to the Middle East. The company commenced production in February 2009, at its 40,000 m2 facility at Dubai Investments Park.

Al Gurg Fosroc LLC

Contact Details: P.O Box 657, Dubai
 Tel: 04 - 2039699 Fax: 04 - 2859649
 E-mail: agf@fosroc.com
www.fosroc.com



Contact Person: Mr. Manar Jamhour, General Manager

Fosroc is a world leader in the delivery of tailored Constructive Solutions for virtually any type of construction project, combining high quality products, expert technical support, customer service and innovation.

Fosroc has developed a substantial reputation for innovative products in concrete admixtures, concrete repairs, grouts and anchors, surface treatment, industrial flooring, joint and seals, waterproofing, adhesives and protective coatings.

701.05 Ozone Depletion Potential (ODP) Material Management**Applicable Materials & Systems**

1. HVAC Equipments with zero Ozone depletion potential (OPD)

Applicable Standards / Regulations

OPP and GWP Indices
Dubai Municipality Technical Guideline No. 58
Dubai Municipality Circular 108
Montreal Protocol

Availability of material

1. HVAC Equipments with zero Ozone depletion potential (OPD)

701.06 Recycled Content

Applicable Materials & Systems

1. Recycled Materials

Applicable Standards / Regulations

Not Applicable

Availability of material

Not Applicable

701.07 Regional Material

Applicable Materials & Systems

1. The Economic Agreement between GCC States Adopted on GCC Council 22 Session on 31st December 2001

Applicable Standards / Regulations

Not Applicable

Availability of material

Not applicable

701.08	Composite Wood Products
	Applicable Materials & Systems
	1. Composite wood free from Urea & Formaldehyde Resin
	Applicable Standards / Regulations
	Dubai Municipality Regulations ASTM D 5456 / ASTM D 7032 / ASTM E 1333 / ASTM D 6007 / ASTM D 5582
	Availability of material
	1. Composite Wood Free From Urea & Formaldehyde Resin
702	Chapter 2: Waste Management
702.01	Construction and Demolition Waste
	Applicable Materials & Systems
	1. Recycled / Reused Material
	Applicable Standards / Regulations
	Dubai Municipality Technical Guideline No. 26
	Availability of material
	1. Recycled / Reused Material
702.02	Bulk Waste Collection

	Applicable Materials & Systems
	1. Bulk Waste Collection Area
	Applicable Standards / Regulations
	Dubai Municipality Regulations
	Availability of material
	Not Applicable
702.03	Waste Storage
	Applicable Materials & Systems
	1. Recycled and Non-recyclable Storage Area
	Applicable Standards / Regulations
	Dubai Municipality Regulations
	Availability of material
	Not Applicable
702.04	Waste Collection
	Applicable Materials & Systems
	1. Garbage Area
	Applicable Standards / Regulations
	Dubai Municipality Ad. Resolution – 125 – 2001 BS – 1703: 2005

	Availability of material
	Not Applicable
702.05	Recyclable Waste Management Facilities
	Applicable Materials & Systems
	1. Recyclable Waste Facility
	Applicable Standards / Regulations
	Dubai Municipality Admin. Resolution – 125 – 2001
	Availability of material

PART - II

AVAILABILITY OF

TESTING FACILITY



301	Chapter 1: Access and Mobility
301.01	Preferred Parking
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Administrative Resolution No. – 125 – 2001
	Availability of Testing Facility
	Not Applicable
301.02	Enabled access
	Applicable Materials & Systems
	2. Special Need Toilet
	Applicable Standards / Regulations
	Dubai Municipality Administrative Resolution No.- 125 – 2001 U.A.E. Federal Lab. No. 25 - 1999
	Availability of Testing Facility
	2. Special need Toilet
	<p>Dubai Central Laboratory</p> <p>Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696</p> <p>Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) E-mail: info@dcl.ae www.dcl.ae</p> <p>Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".</p>



301.03	Bicycle Storage and Changing Rooms
	Applicable Materials & Systems
	1. Cycle Rack
	Applicable Standards / Regulations
	Dubai Municipality Administrative Resolution No.- 125 – 2001 Dubai Bicycle Master Plan 2008 - RTA
	Availability of Testing Facility
	Not Applicable
302	Chapter 2: Ecology and Landscaping
302.01	Local Species
	Applicable Materials & Systems
	3. Vegetated roof 4. Planted area
	Applicable Standards / Regulations
	Not Applicable
	Availability of Testing Facility
	Not Applicable
303	Chapter 3: Neighborhood Pollution
303.1	Exterior Light Pollution and Controls
	Applicable Materials & Systems
	3. Light shield 4. Automatic Control for Exterior Lighting
	Applicable Standards / Regulations

Availability of Testing Facility

3. Light Shield
4. Automatic Control for Exterior Lighting

Dubai Central Laboratory

Location & Contact Details

Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elia
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



304 Chapter: 4 Micro Climate & Outdoor Comfort

304.01 Urban Heat Island Effect

Applicable Materials & Systems

2. High SRI Roof

Applicable Standards / Regulations

ASTM E – 1980, C – 1549, C – 1371, E 408

Availability of Testing Facility

2. High SRI Roof

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Material Lab

Location & Contact Details
Al Quoz Industrial Area # 4, 10th Street.
Dubai
P. O. Box 114717, Dubai
Tel no.: +971 4 3405678
Fax no.: +971 4 3405677



Contact Person: Eng. Zahid Mahmood, General Manager
E-mail: mld@eim.ae
www.mlab.ae

Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

304.02 Green Roof

Applicable Materials & Systems

2. Green Roof System

Applicable Standards / Regulations

ASTM E – 2400, ASTM E - 1980

Availability of Testing Facility

2. Green Roof System

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elia
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Material Lab

Location & Contact Details
Al Quoze Industrial Area # 4, 10th Street.
Dubai
P. O. Box 114717, Dubai
Tel no.: +971 4 3405678
Fax no.: +971 4 3405677



Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae

Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

304.03 Light Colors on the Outside of Buildings

Applicable Materials & Systems

2. High LRV Coatings & Paints

Applicable Standards / Regulations

BS 8493: 2008 + A1, ASTM E 1175

Availability of Testing Facility

2. High LRV Coatings & Paints

Dubai Central Laboratory

Location & Contact Details

Zabeel Road

Next to Central Post Office

Post Box # 67

Dubai

Tel. 04 302 7007

Fax: 04 336 2696

Contact Person: Eng. Ali Elian

(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae



Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

304.04 Orientation of Glazed Facades

Applicable Materials & Systems

2. Building Glass

Applicable Standards / Regulations

ASTM International Glass and Glazing Standards for Building Industry.

Availability of Testing Facility

2. Building Glass

Material Lab

Location & Contact Details

Al Quoze Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

304.05 Hardscape

Applicable Materials & Systems

4. Vegetation
5. Paving Material with High SRI
6. Shading Material with High SRI

Applicable Standards / Regulations

ASTM – E – 1980, C-1549, C-1371, E - 408

Availability of Testing Facility

4. Vegetation

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Material Lab

Location & Contact Details
Al Quoz Industrial Area # 4, 10th Street.
Dubai
P. O. Box 114717, Dubai
Tel no.: +971 4 3405678
Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager
E-mail: mld@eim.ae
www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

5. Paving Material with High SRI

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Material Lab

Location & Contact Details
Al Quoz Industrial Area # 4, 10th Street.
Dubai
P. O. Box 114717, Dubai
Tel no.: +971 4 3405678
Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager
E-mail: mld@eim.ae
www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

6. Shading Material with High SRI

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Material Lab

Location & Contact Details
Al Quoz Industrial Area # 4, 10th Street.
Dubai
P. O. Box 114717, Dubai
Tel no.: +971 4 3405678
Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager
E-mail: mld@eim.ae
www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

304.06 Shading of Public Access Areas

Applicable Materials & Systems

2. Shading Material with High SRI

Applicable Standards / Regulations

ASTM E – 1980, C – 1549, C – 1371, E 408

Availability of Testing Facility

2. Shading Material with High SRI

Dubai Central Laboratory

Location & Contact Details

Zabeel Road

Next to Central Post Office

Post Box # 67

Dubai

Tel. 04 302 7007

Fax: 04 336 2696

Contact Person: Eng. Ali Elian

(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae



Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Material Lab

Location & Contact Details

Al Quoz Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

305.1	Impact of Construction, Demolition and Operational Activities
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	ASTM International Technical Committee – 262 D – 34 Dubai Municipality Local Order No. 61 / 1999 Dubai Municipality Technical Guideline No. – 12, 26, 29, 44, 48, 50, 53, 56 Dubai Municipality Building Dept. Circular – 77, 93, 89, 108, 117, 139, 154, 158, 161
	Availability of Testing Facility
	Not Applicable
306	Chapter 6: Environmental Impact Assessment
306.01	Environmental Impact Assessment
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Technical Guideline No. 4 and 53
	Availability of Testing Facility

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details
Plot No. TP/010305, Techno Park , Jabel Ali, Dubai
Post Box # 5778
Dubai, United Arab Emirates.
Tel no.: +971 4 8867400
Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

Material Lab

Location & Contact Details

Al Quoze Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

401	Chapter 1: Ventilation and Air Quality
401.01	Minimum Ventilation requirements for Adequate Indoor Air Quality
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	ASHRAE 62 - 2007
	Availability of Testing Facility
	<p>Dubai Central Laboratory</p> <p>Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696</p> <p>Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) E-mail: info@dcl.ae www.dcl.ae</p> <p>Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".</p>



Material Lab

Location & Contact Details

Al Quoze Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

Geo-Chem Middle East

Location & Contact Details

Plot No. TP/010305, Techno Park , Jabel Ali, Dubai

Post Box # 5778

Dubai, United Arab Emirates.

Tel no.: +971 4 8867400

Fax no.: +971 4 8867401 / 8867402

Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae



Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

401.02 Air Quality During Construction, Renovation or Decoration

Applicable Materials & Systems

2. Air Filters

Applicable Standards / Regulations

Availability of Testing Facility**2. Air Filters****Dubai Central Laboratory****Location & Contact Details**

Zabeel Road
 Next to Central Post Office
 Post Box # 67
 Dubai
 Tel. 04 302 7007
 Fax: 04 336 2696



Contact Person: Eng. Ali Elian
 (Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Material Lab**Location & Contact Details**

Al Quoz Industrial Area # 4, 10th Street.
 Dubai
 P. O. Box 114717, Dubai
 Tel no.: +971 4 3405678
 Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

401.03 Air Inlets and Exhausts

Applicable Materials & Systems

2. Air exhaust system

Applicable Standards / Regulations

ASHRAE 62 – 2007, SMACNOT APPLICABLE 1035 – HVAC Duct Construction Standards

Availability of Testing Facility

2. Air exhaust system

Dubai Central Laboratory

Location & Contact Details

Zabeel Road

Next to Central Post Office

Post Box # 67

Dubai

Tel. 04 302 7007

Fax: 04 336 2696

Contact Person: Eng. Ali Elian

(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae



Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details

Plot No. TP/010305, Techno Park , Jabel Ali, Dubai

Post Box # 5778

Dubai, United Arab Emirates.

Tel no.: +971 4 8867400

Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

Material Lab

Location & Contact Details

Al Quoz Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677



Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae

Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

401.04 Isolation of Pollutant sources

Applicable Materials & Systems

2. Air extraction System

Applicable Standards / Regulations

Availability of Testing Facility

2. Air extraction System

Dubai Central Laboratory

Location & Contact Details

Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



Geo-Chem Middle East

Location & Contact Details

Plot No. TP/010305, Techno Park , Jabel Ali, Dubai
Post Box # 5778
Dubai, United Arab Emirates.
Tel no.: +971 4 8867400
Fax no.: +971 4 8867401 / 8867402

Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.



Material Lab

Location & Contact Details

Al Quoze Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

401.05 Openable Windows

Applicable Materials & Systems

2. Windows

Applicable Standards / Regulations

CIBSE application manual Am10:1997

Availability of Testing Facility

Not Applicable

401.06 Indoor Air Quality Compliance – New Buildings

Applicable Materials & Systems

2. Enough ventilations

Applicable Standards / Regulations

ASTM D – 5116, D – 6886

Availability of Testing Facility

1. Enough Ventilations

Dubai Central Laboratory

Location & Contact Details

Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details

Plot No. TP/010305, Techno Park , Jabel Ali, Dubai
Post Box # 5778
Dubai, United Arab Emirates.
Tel no.: +971 4 8867400
Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.



Material Lab

Location & Contact Details

Al Quoz Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

401.07 Indoor Air Quality Compliance – Existing Buildings

Applicable Materials & Systems

2. Enough Ventilation

Applicable Standards / Regulations

Heating and Ventilating Contractors Association (HVCA) TR-19 guide to good practice
BSR / ASHRAE / ACCA Standard 180P – Standard Practice for Inspection and Maintenance of Commercial Building HVAC System.

Availability of Testing Facility

1. Enough Ventilation

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details
Plot No. TP/010305, Techno Park , Jabel Ali, Dubai
Post Box # 5778
Dubai, United Arab Emirates.
Tel no.: +971 4 8867400
Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.



Material Lab

Location & Contact Details

Al Quoz Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

401.08 Inspection and Cleaning of HVAC Equipment

Applicable Materials & Systems

2. HVAC equipments / system

Applicable Standards / Regulations

Dubai Municipality guidelines

Availability of Testing Facility

2. HVAC systems / equipments

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

401.09 Parking Ventilation

Applicable Materials & Systems

2. Ventilation System

Applicable Standards / Regulations

ASTM D – 3762
ASTM F - 984

Availability of Testing Facility

Not Applicable

401.10 Environmental Tobacco Smoke

Applicable Materials & Systems

2. Smoking designated area

Applicable Standards / Regulations

3. Dubai Municipality Local order No. 11 – 2003
4. Dubai Municipality Admin. resolution 92 - 2009

Availability of Testing Facility

Not Applicable

402 Chapter 2: Thermal Comfort

402.01 Thermal Comfort

Applicable Materials & Systems

2. HVAC

Applicable Standards / Regulations

ASHRAE: 55

Availability of Testing Facility

2. HVAC systems / equipments

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



403	Chapter 3: Acoustic Comfort
403.01	
	2. Acoustic Insulation Materials
	BS – 8233: 1999 Building Regulation Approved Document E(R-2008)OK Health Technical Memorandum 08 – 01 (U.K) Building Bulletin 93 (U.K.)
	Availability of Testing Facility
	2. Acoustic Insulation Materials
	Dubai Central Laboratory Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696 Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) E-mail: info@dcl.ae www.dcl.ae Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".
404	Chapter 4: Hazardous Materials
404.01	Low Emitting Material: Paints and Coatings
	Applicable Materials & Systems



2. Low VOC paints
3. Low VOC coatings

Applicable Standards / Regulations

ASTM D – 5116
ISO – FDIS 11890 – 2
ASTM D 3930

Availability of Testing Facility

2. Low VOC Paints
3. Low VOC Coatings

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



404.02 Low Emitting Material: Adhesives and Sealants

Applicable Materials & Systems

3. Low VOC Sealants
4. Low VOC Adhesives

Applicable Standards / Regulations

ASTM D – 5116
ASTM D – 3930
ISO-FDIS 11890-2

Availability of Testing Facility

3. Low VOC Sealants

Dubai Central Laboratory

Location & Contact Details

Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elia
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



4. Low VOC Adhesives

Dubai Central Laboratory

Location & Contact Details

Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elia
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



404.03 Carpet Systems

Applicable Materials & Systems

2. Carpet

Applicable Standards / Regulations

Dubai Municipality – DCL Certification

Availability of Testing Facility

2. Carpet

Dubai Central Laboratory

Location & Contact Details

Zabeel Road

Next to Central Post Office

Post Box # 67

Dubai

Tel. 04 302 7007

Fax: 04 336 2696

Contact Person: Eng. Ali Elian

(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



405 Chapter 5: Day lighting and Visual Comfort

405.01 Provision of natural Daylight

Applicable Materials & Systems

NOT APPLICABLE

Applicable Standards / Regulations

Dubai Municipality Regulations

	Availability of Testing Facility
	Not Applicable
405.02	Views
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Regulations
	Availability of Testing Facility
	Not Applicable
406	Chapter 6: Water Quality
406.01	Legionella Bacteria and Building Water Systems
	Applicable Materials & Systems
	2. Water Treatment Chemicals
	Applicable Standards / Regulations
	ASTM D - 5952 Dubai Municipality Guidelines
	Availability of Testing Facility
	2. Water Treatment Chemicals

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)

E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details
Plot No. TP/010305, Techno Park , Jabel Ali, Dubai
Post Box # 5778
Dubai, United Arab Emirates.
Tel no.: +971 4 8867400
Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

Material Lab

Location & Contact Details

Al Quoz Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

406.02 Water Quality of Water Features

Applicable Materials & Systems

2. Water Treatment Chemicals

Applicable Standards / Regulations

ASTM D - 5952

Dubai Municipality Guidelines

ASRAE – Guideline 12 - 2000

Availability of Testing Facility

2. Water Treatment Chemicals

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details
Plot No. TP/010305, Techno Park , Jabel Ali, Dubai
Post Box # 5778
Dubai, United Arab Emirates.
Tel no.: +971 4 8867400
Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae
www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

Material Lab

Location & Contact Details

Al Quoze Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

501	Chapter 1: Conservation and Efficiency: Building Fabric
501.01	
	3. Thermal Insulation materials / Systems 4. Glazed elements (Glass)
	Dubai Municipality Ad. Order – 66 ASTM C - 1363 ASTM C- 578 ASTM C-612 BSEN-13162, to 13165
	Availability of Testing Facility
	3. Thermal Insulation Materials / Systems
	Dubai Central Laboratory Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696 Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) E-mail: info@dcl.ae www.dcl.ae Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



Material Lab

Location & Contact Details

Al Quoze Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

4. Glazed Elements (Glass)

501.02 Thermal Bridging

Applicable Materials & Systems

2. Thermal Insulation Materials

Applicable Standards / Regulations

Dubai Municipality Admin. Resolution 66 / 2003, CIBSE Environmental design guide
ASTM C – 1363, ASTM C – 578, ASTM C – 612, BSEN – 13162 – 13165
ASHRAE 90.1

Availability of Testing Facility

2. Thermal Insulation Materials

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

501.03 Air Conditioning Design Parameters

Applicable Materials & Systems

2. HVAC Equipments.

Applicable Standards / Regulations

ASHRAE – Hand book

Availability of Testing Facility

2. HVAC Equipments

501.04 Air Loss from Entrance and Exit

Applicable Materials & Systems

Not Applicable

Applicable Standards / Regulations

Not Applicable

Availability of Testing Facility

Not Applicable

501.05 Air Leakage

Applicable Materials & Systems

Not Applicable

Applicable Standards / Regulations

ASTM E – 783
ASTM E- 1424

Availability of Testing Facility

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elia
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae



Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details

Plot No. TP/010305, Techno Park , Jabel Ali, Dubai

Post Box # 5778

Dubai, United Arab Emirates.

Tel no.: +971 4 8867400

Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae

www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

Material Lab

Location & Contact Details

Al Quoz Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677



Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae

Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

502

Chapter 2: Conservation and Efficiency: Building Systems

502.01

Energy Efficiency – HVAC Equipment and Systems

Applicable Materials & Systems

2. HVAC Equipments (Energy Efficient)

	Applicable Standards / Regulations
	T1 – AR 1210/240 T3 – ISO 5151 AR 1210/240 T1 – AR1 361 T1 AR1550/590, AR1560
	Availability of Testing Facility
	2. HVAC Equipments (Energy Efficient)
502.02	Demand Controlled Ventilation
	Applicable Materials & Systems
	1. Mechanical Ventilation 2. CO ₂ Sensors / System
	Applicable Standards / Regulations
	ASHRAE – 62–2–2007
	Availability of Testing Facility
	1. Mechanical Ventilation 2. CO ₂ Sensors / System

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae

www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

Geo-Chem Middle East

Location & Contact Details
Plot No. TP/010305, Techno Park , Jabel Ali, Dubai
Post Box # 5778
Dubai, United Arab Emirates.
Tel no.: +971 4 8867400
Fax no.: +971 4 8867401 / 8867402



Contact Person: Dr. Sunil Kumar, Laboratory Manager

E-mail: laboratory@geochem.ae / sales@geochem.ae
www.geochem.ae

Geo-Chem Middle East established in the year 1999 in Dubai, is one of the largest Inspection and Testing organization in the Middle East.

The core activity of Geo-Chem Middle East is Inspection and Testing of Petroleum products, Chemical, Water, Waste water, Vegetable oil, Agri Products, Environmental testing, Microbiological testing, Environmental Monitoring etc.

Committed to stringent quality measures and standard, Geo Chem's processes and services are maintained to the internationally accepted ISO 9001:2008 and ISO 17025:2005 standards. Geo-Chem adopts a focus approach to all our assignments and maintains unbiased professionalism through high integrity, dedication and strict confidentiality.

Material Lab

Location & Contact Details

Al Quoz Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoz Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

502.03 Elevators and Escalators

Applicable Materials & Systems

3. Energy saving escalators and elevators
4. Elevator/Escalator Control System

Applicable Standards / Regulations

ASTM F-916

Availability of Testing Facility

3. Energy saving escalators and elevators
4. Elevator / Escalator Control system

502.04 Lighting Power Density - Interior

Applicable Materials & Systems

2. Internal Lighting

	Applicable Standards / Regulations
	ASHRAE 90.1-2007 DEWA Regulations
	Availability of Testing Facility
	2. Internal Lighting
502.05	Lighting Power Density - Exterior
	Applicable Materials & Systems
	2. External Lighting
	Applicable Standards / Regulations
	ASHRAE 90.1-2007 DEWA Regulations ASHRAE 90 -1
	Availability of Testing Facility
	2. External Lighting
502.06	Lighting Controls
	Applicable Materials & Systems
	2. Lighting Control System
	Applicable Standards / Regulations
	ASHRAE – 90-1 UK Building regulation L2A

	Availability of Testing Facility
	2. Lighting Control System
502.07	Electronic Ballasts
	Applicable Materials & Systems
	2. Electronic Ballasts
	Applicable Standards / Regulations
	DEWA / DEWA Regulations BSEN – 60928 ANSI – 682.11 – C
	Availability of Testing Facility
	1. Electronic Ballasts
502.08	Control Systems for Heating, Ventilation and Air Conditioning (HVAC) Systems
	Applicable Materials & Systems
	2. Control System for HVAC System.
	Applicable Standards / Regulations
	ASHRAE 90-1-2007 Dubai Municipality/DEWA Regulations
	Availability of Testing Facility
	2. Control System for HVAC System

502.09	Control Systems for Hotel Rooms
	Applicable Materials & Systems
	3. Light Control System 4. HVAC Control System
	Applicable Standards / Regulations
	ASHRAE 90-1-2007 Dubai Municipality / DEWA REGULATION
	Availability of Testing Facility
	3. Light Control System
	4. HVAC Control System
502.10	Exhaust Air Energy Recovery Systems
	Applicable Materials & Systems
	2. Energy Recovery System
	Applicable Standards / Regulations
	Not Applicable
	Availability of Testing Facility
	Not Applicable

502.11	Pipe and Duct Insulation
	Applicable Materials & Systems
	2. Duct Insulation Materials
	Applicable Standards / Regulations
	BS 5422:2009 ASTM C-518 / C-177
	Availability of Testing Facility
	2. Duct Insulation Materials
	Dubai Central Laboratory Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696 Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) E-mail: info@dcl.ae www.dcl.ae Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".
502.12	Thermal Storage for District Cooling
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations



	Not Applicable
	Availability of Testing Facility
	Not Applicable
502.13	Ductwork Air Leakage
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	Dubai Municipality Regulations
	Availability of Testing Facility
	Not Applicable
502.14	Maintenance of Mechanical Systems
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	ASHRAE 62 – 1 Dubai Municipality Regulations
	Availability of Testing Facility
	Not Applicable
503	Chapter 3: Commissioning and Management

503.01	Commissioning of Building Services – New Buildings
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	CIBSE Commissioning Code Dubai Municipality Code
	Availability of Testing Facility
	Not Applicable
503.02	Re-Commissioning of Building Services – Existing Buildings
	Applicable Materials & Systems
	Not Applicable
	Applicable Standards / Regulations
	CIBSE Commissioning Code Dubai Municipality Code
	Availability of Testing Facility
	Not Applicable
503.03	Electricity Metering
	Applicable Materials & Systems
	2. Electricity Meter
	Applicable Standards / Regulations

DEWA Specification
CIBSE TM - 22

Availability of Testing Facility

2. Electricity Meter

503.04 Air Conditioning Metering

Applicable Materials & Systems

2. Air conditioning meter

Applicable Standards / Regulations

DEWA Specification

Availability of Testing Facility

503.05 Central Control and Monitoring System

Applicable Materials & Systems

2. Control and Monitoring System for HVAC

Applicable Standards / Regulations

CIBSE Guide – 14. Building Control System

Availability of Testing Facility

2. Control and Monitoring System for HVAC

504	Chapter 4: Onsite Systems: Generation & Renewable Energy
504.01	On-Site Renewable Energy – Small to Medium Scale Embedded Generators
	Applicable Materials & Systems
	2. Generators
	Applicable Standards / Regulations
	DEWA Regulations BS - 7671
	Availability of Testing Facility
	Not Applicable
504.02	Outdoor Lighting
	Applicable Materials & Systems
	2. Renewable Energy System (Solar Energy)
	Applicable Standards / Regulations
	ASHRAE – 90.1 Dubai Municipality / DEWA Regulations
	Availability of Testing Facility
	2. Renewable Energy System (Solar Energy)
504.03	On-Site Renewable Energy – Solar Water Heating System

	Applicable Materials & Systems
	2. Solar Water Heater
	Applicable Standards / Regulations
	Dubai Municipality / DEWA Regulations
	Availability of Testing Facility
	2. Solar Water Heater

601	Chapter 1: Conservation and Efficiency
601.01	Water Efficient Fittings
	Applicable Materials & Systems
	3. Water Conserving Fixtures 4. Dual Flush
	Applicable Standards / Regulations
	EN 817 – Sanitary Tap ware DM / DEWA Regulation
	Availability of Testing Facility
	3. Water Conserving Fixtures
	Dubai Central Laboratory Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696 Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) E-mail: info@dcl.ae www.dcl.ae Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



Material Lab

Location & Contact Details

Al Quoze Industrial Area # 4, 10th Street.

Dubai

P. O. Box 114717, Dubai

Tel no.: +971 4 3405678

Fax no.: +971 4 3405677

Contact Person: Eng. Zahid Mahmood, General Manager

E-mail: mld@eim.ae

www.mlab.ae



Material Lab is an accredited independent material testing laboratory, established in 1996. Core business of the laboratory is performing advance testing on wide range of construction & industrial materials, Geotechnical Investigation (onshore/offshore), Oil, Gas, Chemicals and Environment testing. Laboratory's operations are spread all over the UAE including near-shore marine operations. Material Lab has offices and laboratories in Mussaffah industrial area Abu Dhabi while main laboratory premises are located in Al Quoze Industrial Area Dubai. Both branches are accredited to ISO 17025 by the local authorities. Material Lab has various specialized facilities related to green building materials testing e.g. thermal properties of architectural glass, total VOC of various materials, SRI, thermal conductivity, U Value, formaldehyde content, carcinogenic elements and acoustic properties testing etc.

4. Dual Flush

601.02 Condensate Drainage

Applicable Materials & Systems

2. Condensate Drainage System

Applicable Standards / Regulations

Not Applicable

Availability of Testing Facility

Not Applicable

601.03 Condensate Recovery

Applicable Materials & Systems

2. Condensate Drainage System

Applicable Standards / Regulations

Not Applicable

Availability of Testing Facility

Not Applicable

601.04 Water Efficient Irrigation

Applicable Materials & Systems

2. Water Efficient Irrigation System

Applicable Standards / Regulations

WRC – NSF Guide for Testing and approval of water pipes, fittings and materials

Availability of Testing Facility

602 Chapter 2: Commissioning and Management

602.01 Water Metering

Applicable Materials & Systems

2. Water Meter

Applicable Standards / Regulations

DEWA Specification
WRC – NSF Guide for Testing and approval of water pipes, fittings and materials

	Availability of Testing Facility
	2. Water meter
603	Chapter 3: Onsite Systems: Recovery and Treatment
603.01	Water Reuse
	Applicable Materials & Systems
	2. Dual Plumbing (Potable & Non Potable Water)
	Applicable Standards / Regulations
	Dubai Municipality Technical Guide 62 Dubai Municipality Regulations DEWA Specification
	Availability of Testing Facility
	Not Applicable
603.02	Water Consumption for Heat Rejection Including Cooling Towers
	Applicable Materials & Systems
	2. Water Meter
	Applicable Standards / Regulations
	DEWA Specification
	Availability of Testing Facility
	2. Water meter

701	Chapter 1: Materials and Resources
701.01	
	3. Thermal Insulation Materials 4. Acoustic Insulation
	ASTM C – 578, c- 612 BSEN – 13162 to 13165 Dubai Municipality Specification Dubai Municipality Ad. Regulation 66/2003
	Availability of Testing Facility
	3. Thermal Insulation Materials
	Dubai Central Laboratory Location & Contact Details Zabeel Road Next to Central Post Office Post Box # 67 Dubai Tel. 04 302 7007 Fax: 04 336 2696 Contact Person: Eng. Ali Elian (Head of Engineering Materials Section) E-mail: info@dcl.ae www.dcl.ae Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".
	4. Acoustic Insulation



Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696



Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".

701.02 Certified / Accredited Timber

Applicable Materials & Systems

2. Timber

Applicable Standards / Regulations

Timber Certification as per Dubai Municipality

Availability of Testing Facility

2. Timber

701.03 Asbestos Containing Materials

Applicable Materials & Systems

2. Asbestose Free Materials

Applicable Standards / Regulations

U.A.E. Federal Ministry Order 42 – 2008
Dubai Municipality Technical Guideline – 48

Availability of Testing Facility

701.04 Lead or Heavy Metals Containing Materials

Applicable Materials & Systems

5. Paints
6. Coating
7. Adhesive
8. Sealants

Applicable Standards / Regulations

Dubai Municipality Standard -20
Dubai Municipality Regulations

Availability of Testing Facility

5. Paints
6. Coatings

Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
www.dcl.ae

Dubai Central Laboratory Department was established in 1997 with aim centralizing all the labs within Dubai Municipality under one department. DCL mission is to " Provide Product Conformity Assessment and perform Tests, Studies, Standards Development and Measurement Control, relying on our expertise and accredited laboratories; aiming at contributing to consumer protection and achieving customer satisfaction" In our relentless effort for monitoring and maintaining product quality, the testing and related services and enforcement of Dubai Municipality regulations play a vital role. We are guided by simple objective and that is " Enhancement of Quality of Life in Dubai".



	7. Adhesives
	8. Sealants
701.05	Ozone Depletion Potential (ODP) Material Management
	Applicable Materials & Systems
	2. HVAC Equipments with zero Ozone depletion potential (OPD)
	Applicable Standards / Regulations
	OPP and GWP Indices Dubai Municipality Technical Guideline No. 58 Dubai Municipality Circular 108 Montreal Protocol
	Availability of Testing Facility
	2. HVAC Equipments with zero Ozone depletion potential (OPD)
701.06	Recycled Content
	Applicable Materials & Systems
	2. Recycled Materials
	Applicable Standards / Regulations
	Not Applicable
	Availability of Testing Facility

	Not Applicable
701.07	Regional Material
	Applicable Materials & Systems
	2. The Economic Agreement between GCC States Adopted on GCC Council 22 Session on 31 st December 2001
	Applicable Standards / Regulations
	Not Applicable
	Availability of Testing Facility
	Not applicable
701.08	Composite Wood Products
	Applicable Materials & Systems
	2. Composite wood free from Urea & Formaldehyde Resin
	Applicable Standards / Regulations
	Dubai Municipality Regulations ASTM D 5456 / ASTM D 7032 / ASTM E 1333 / ASTM D 6007 / ASTM D 5582
	Availability of Testing Facility
	2. Composite Wood Free From Urea & Formaldehyde Resin
702	Chapter 2: Waste Management
702.01	Construction and Demolition Waste

	Applicable Materials & Systems
	2. Recycled / Reused Material
	Applicable Standards / Regulations
	Dubai Municipality Technical Guideline No. 26
	Availability of Testing Facility
	Not Applicable
702.02	Bulk Waste Collection
	Applicable Materials & Systems
	2. Bulk Waste Collection Area
	Applicable Standards / Regulations
	Not Applicable
	Availability of Testing Facility
	Not Applicable
702.03	Waste Storage
	Applicable Materials & Systems
	2. Recycled and Non-recyclable Storage Area
	Applicable Standards / Regulations
	Dubai Municipality Regulations

	Availability of Testing Facility
	Not Applicable
702.04	Waste Collection
	Applicable Materials & Systems
	2. Garbage Area
	Applicable Standards / Regulations
	Dubai Municipality Ad. Resolution – 125 – 2001 BS – 1703: 2005
	Availability of Testing Facility
	Not Applicable
702.05	Recyclable Waste Management Facilities
	Applicable Materials & Systems
	2. Recyclable Waste Facility
	Applicable Standards / Regulations
	Dubai Municipality Admin. Resolution – 125 – 2001
	Availability of Testing Facility
	Not Applicable

References

1. Green Building Regulations and Specifications. Dubai-2010
2. Green building Regulations and Specifications. Practice Guide. Dubai-2011