Manual of Green Building Materials, Products & Their Testing Facilities

Dubai Central Laboratory Dept.
23/07/2018
Edition (5)
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As per the vision of Dubai Municipality and 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
Adnan Mahmoud Al Marzouqi,
Head of Construction Materials Laboratory Section of Dubai Central Laboratory - Dubai Municipality

Tel. +971 4 302 7188
Fax. +971 4 3366160
E-mail: adnanmm@dm.gov.ae
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# Manual of Green Building Materials, Products & Their Testing Facilities

## CREDITS

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Eng. Amin Ahmed Mohammed Amin</td>
<td>Director of Dubai Central Laboratory Department</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:aaamin@dm.gov.ae">aaamin@dm.gov.ae</a></td>
</tr>
<tr>
<td>Eng. Adnan Mahmoud Al Marzouqi</td>
<td>Head of Construction Materials Laboratory Section</td>
</tr>
<tr>
<td></td>
<td>Dubai Central Laboratory Department</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:adnanmm@dm.gov.ae">adnanmm@dm.gov.ae</a></td>
</tr>
<tr>
<td>Eng. Fahad Saleh Amer</td>
<td>Head of Green Building Products Unit, Engineering Materials Laboratory Section</td>
</tr>
<tr>
<td></td>
<td>Dubai Central Laboratory Department</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:fsamer@dm.gov.ae">fsamer@dm.gov.ae</a></td>
</tr>
<tr>
<td>Dr. Prakasan V.C.</td>
<td>Principal Researcher, Green Building Products Testing Laboratory</td>
</tr>
<tr>
<td></td>
<td>Dubai Central Laboratory Department</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:pychellappn@dm.gov.ae">pychellappn@dm.gov.ae</a></td>
</tr>
<tr>
<td>Jaigovind G.</td>
<td>Sr. Analyst, Green Building Products Testing Laboratory, Dubai Central Laboratory Department</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:jgkutty@dm.gov.ae">jgkutty@dm.gov.ae</a></td>
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ISSUE NO: 5 DATE: 23rd JULY 2018*
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## Chapter 4: Micro Climate & Outdoor Comfort

### 304.01 Urban Heat Island Effect

#### Applicable Materials & Systems

1. SRI Roof

#### Applicable Standards / Regulations


#### Availability of material

1. SRI Roof

**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.

**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

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.
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. LRV Coatings & Paints

Applicable Standards / Regulations

## Availability of Material

### 1. 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](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](http://www.energyzonecoating.com)  
Contact Person: Eng. Claude Nasif, Managing Director  

**Caparol LLC.**  
Contact Details: Tel.04 - 3473538 Fax.04-3474256  
E.mail: info@caparol.ae  
[www.caparol.ae](http://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

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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 hotes 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
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@nilgirisfzco.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**


**Availability of material**

1. Building Glass

### 304.05 Hardscape

**Applicable Materials & Systems**

1. Vegetation  
2. Paving Material with SRI  
3. Shading Material with SRI

**Applicable Standards / Regulations**


**Availability of material**

1. Vegetation

2. Paving Material with 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

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.ae  
www.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.
3. Shading Material with SRI

304.06 Shading of Public Access Areas

Applicable Materials & Systems

1. Shading Material with SRI

Applicable Standards / Regulations


Availability of material

1. Shading Material with 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

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.com
www.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
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Section Four

Building Vitality
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<th>401</th>
<th>Chapter 1: Ventilation and Air Quality</th>
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<td>Air Inlets and Exhausts</td>
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<td>Applicable Materials &amp; Systems</td>
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<td>1. Air exhaust system</td>
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<td>ASHRAE 62 – 2007, SMACNOT APPLICABLE 1035 – HVAC Duct Construction Standards</td>
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<td>1. Air exhaust system</td>
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<td>1. Air extraction System</td>
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<td>Dubai Municipality Technical Guideline No. 57</td>
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<td><strong>401.06</strong></td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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| **401.07** | Indoor Air Quality Compliance – Existing Buildings |
| **Applicable Materials & Systems** | 1. Ventilation products & systems |
| **Availability of material** | |

<p>| <strong>401.08</strong> | Inspection and Cleaning of HVAC Equipment |</p>
<table>
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<tr>
<th>Applicable Materials &amp; Systems</th>
<th>1. HVAC equipments / system</th>
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<tr>
<td>Applicable Standards / Regulations</td>
<td>Dubai Municipality guidelines</td>
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**401.09 Parking Ventilation**

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<th>Applicable Materials &amp; Systems</th>
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**401.10 Environmental Tobacco Smoke**

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<tr>
<th>Applicable Materials &amp; Systems</th>
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<tr>
<td>Applicable Standards / Regulations</td>
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1. Dubai Municipality Local order No. 11 – 2003  
2. Dubai Municipality Admin. resolution 92 - 2009

### Availability of material

<table>
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<tr>
<th>Not Applicable</th>
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</thead>
</table>

#### 402 Chapter 2: Thermal Comfort

##### 402.01 Thermal Comfort

**Applicable Materials & Systems**

1. HVAC products & systems.

**Applicable Standards / Regulations**

ASHRAE: 55

### 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: +971 4 2967660, Fax-04-2967550
E-mail: mshariff@alghanim.com / shariff@kimco.ae
www.kimmcoinsulations.com

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 began 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 Abu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E-mail: imallah@glasswool.ae
www.exeed.ae

Contact Person: Mr. Imad Mallah, Sales Manager

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.

### Arabian Fiberglass Insulation Company Ltd.

**Contact Details:**
- AFICO GCC OFFICE, Zamil Building, Deira
  P.O Box 44493
  Dubai, UAE.
- Tel: +971 4 2941211
- Fax: +971 4 2921168
- E-mail: kumar.vp@afico.com.sa / syed.azher@afico.com.sa
  www.afico.com.sa

**Contact Person:** Mr. Sree Kumar, Regional Manager – GCC
  Mr. Syed Ilyas, Sales Manager – GCC

AFICO is the largest manufacturer of premium Fiberglass Thermal Insulation products with a capacity of more than 48000 MT/year. AFICO started its operations in Saudi Arabia in 1981 has Manufacturing facilities and Head Quarter in Dammam, Kingdom of Saudi Arabia, and is a Joint venture between Owens Corning, USA which is the Largest Glass Wool Manufacturer globally and Zamil Industrial, KSA which is among the top 10 Companies in Saudi Arabia.

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**404**  
**Chapter 4: Hazardous Materials**

**404.01**  
**Low Emitting Material: Paints and Coatings**
<table>
<thead>
<tr>
<th>Applicable Materials &amp; Systems</th>
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</thead>
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<tr>
<td>1. Low VOC Paints and Coatings</td>
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<table>
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<th>Applicable Standards / Regulations</th>
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<td>ASTM D 3930</td>
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<tr>
<td>1. Low VOC Paints and Coatings</td>
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**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

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### 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.

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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 moste severe finishing applications from reputable hotes 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

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@nilgirisfzco.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.
HEMP (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.

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<tr>
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<td>2.</td>
<td>Low VOC Adhesives</td>
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<td>Applicable Standards / Regulations</td>
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<td>ASTM D – 5116</td>
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<td>ASTM D – 3930</td>
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<td>ISO-FDIS 11890-2</td>
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<td>Availability of material</td>
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<td>1.</td>
<td>Low VOC Sealants</td>
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</table>

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.

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)

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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

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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
<table>
<thead>
<tr>
<th>405</th>
<th>Chapter 5: Day Lighting and Visual Comfort</th>
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</thead>
<tbody>
<tr>
<td>405.01 Provision of Natural Daylight</td>
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**Applicable Materials & Systems**

- Building Glass

**Applicable Standards / Regulations**

- Dubai Municipality Regulations

**Availability of material**

Not Applicable

<table>
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<tr>
<th>405.02 Views</th>
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**Applicable Materials & Systems**

- Not Applicable

**Applicable Standards / Regulations**

- Dubai Municipality Regulations

**Availability of material**

- Not Applicable

<table>
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<tr>
<th>406</th>
<th>Chapter 6: Water Quality</th>
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<tbody>
<tr>
<td>406.01 Legionella Bacteria and Building Water Systems</td>
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</tbody>
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**Applicable Materials & Systems**
1. Water Treatment Chemicals

<table>
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<tr>
<th>Applicable Standards / Regulations</th>
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<tr>
<td>ASTM D - 5952</td>
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<tr>
<td>Dubai Municipality Guidelines</td>
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<table>
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<th>406.02 Water Quality of Water Features</th>
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<th>Applicable Materials &amp; Systems</th>
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<td>ASRAE – Guideline 12 - 2000</td>
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</table>

<table>
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<tr>
<th>Availability of material</th>
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</thead>
<tbody>
<tr>
<td>1. Water Treatment Chemicals</td>
</tr>
</tbody>
</table>
Section Five

Resource Effectiveness: Energy
## Chapter 1: Conservation and Efficiency: Building Fabric

### 501.01 Minimum Envelope Performance Requirements

#### Applicable Materials & Systems

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**
   - 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.
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
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
Contact Person: Mr. Imad Mallah, Sales Manager

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. Satya Prakash, 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: napolpak@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
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.haprimiddleast.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


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 Mahmour, 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.

Pando Building Maintenance LLC
Contact Details: P.O. BOX 86248, ABDULLA ABDUL REHMAN SHEBANI BLDG
OFFICE/M-6 133/26C HORLANZ EAST AREA DM NO.43
U.A.E.
Tel: +971 4 2675107 / 6 5596201
Fax: +971 4 2675108 / 6 5551174
E-mail: pandouuae@gmail.com

Contact Person: Mr. Abdul Salam Ghamlouch

Supply & Installation of False Ceiling & Partition, Waterproofing, Combo Roof Waterproofing & interior decoration from last 30 years
Arabian Fiberglass Insulation Company Ltd.
Contact Details: AFICO GCC OFFICE, Zamil Building, Deira
P.O Box 44493
Dubai, UAE.
Tel: +971 4 2941211
Fax: +971 4 2921168
E-mail: kumar.vp@afico.com.sa / syed.azher@afico.com.sa
www.afico.com.sa

Contact Person: Mr. Sree Kumar, Regional Manager – GCC
Mr. Syed Ilyas, Sales Manager – GCC

AFICO is the largest manufacturer of premium Fiberglass Thermal Insulation products with a capacity of more than 48000 MT/year. AFICO started its operations in Saudi Arabia in 1981 has Manufacturing facilities and Head Quarter in Dammam, Kingdom of Saudi Arabia, and is a Joint venture between Owens Corning, USA which is the Largest Glass Wool Manufacturer globally and Zamil Industrial, KSA which is among the top 10 Companies in Saudi Arabia

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.gugtal.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 an 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 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
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

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.rock-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

Contact Person: Mr. Imad Mallah, Sales Manager
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: napolpak@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.


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.haprimiddleast.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.giginsurance.com


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.
**501.03 Air Conditioning Design Parameters**

### Applicable Materials & Systems

1. HVAC Equipments.

### Applicable Standards / Regulations
**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**

**NOT APPLICABLE**

---

**501.05 Air Leakage**

**Applicable Materials & Systems**

Not Applicable

**Applicable Standards / Regulations**

ASTM E – 783
ASTM E- 1424

**Availability of material**

NOT APPLICABLE
### 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 CO₂ 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

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

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
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<th>502.07</th>
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BSEN – 60928  
ANSI – 682.11 – C | |
| **Availability of material** | |

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<td>1. Control System for HVAC System</td>
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<td><strong>Applicable Standards / Regulations</strong></td>
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<td>1. Light Control System</td>
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<td><strong>502.10</strong></td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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<td>1. Energy Recovery System</td>
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- BS 5422:2009
- ASTM C-518 / C-177

### Availability of Material

#### 1. Duct Insulation Materials

<table>
<thead>
<tr>
<th>Company/Factory</th>
<th>Contact Details</th>
<th>Contact Person</th>
</tr>
</thead>
</table>
| **Kuwait Insulating Material Manufacturing Co. (KIMMCO)** | P.O. Box 9207, Al Wasel Al Mamzar Bldg., Al Wuheida Road, Al Mamzar, Dubai  
Tel: +971 2967660, Fax-04-2967550  
E-mail: mshariff@alghanim.com / shariff@kimco.ae  
www.kimmcoinsulations.com | Mr. Munvar Shariff, Regional Sales Manager |
| **FUJAIRAH ROCKWOOL FACTORY** | P.O Box 211, Fujairah  
Tel: +971 9 2222297  
Fax: +971 9 2222573  
E-mail: frf@emirates.net.ae  
www.rockwoolfujairah.ae | Mr. J.M. Flores, Quality Management Representative |
| **Exeed Glasswool LLC.** | Industrial City of Abu Dhabi [ICAD]  
P.O Box 34332, Abu Dhabi  
Tel: +971 2 5512453  
Fax: +971 2 5512451  
E–Mail: imallah@glasswool.ae  
www.exeed.ae | Mr. Imad Mallah, Sales Manger |

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 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 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


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.

Arabian Fiberglass Insulation Company Ltd.
Contact Details: AFICO GCC OFFICE, Zamil Building, Deira
P.O Box 44493
Dubai, UAE.
Tel: +971 4 2941211
Fax: +971 4 2921168
E-mail: kumar vp@afico.com.sa / syed azher@afico.com.sa
www.afico.com.sa

Contact Person: Mr. Sree Kumar, Regional Manager – GCC
Mr. Syed Ilyas, Sales Manager – GCC

AFICO is the largest manufacturer of premium Fiberglass Thermal Insulation products with a capacity of more than 48000 MT/year.
AFICO started its operations in Saudi Arabia in 1981 has Manufacturing facilities and Head Quarter in Dammam, Kingdom of Saudi Arabia, and is a Joint venture between Owens Corning, USA which is the Largest Glass Wool Manufacturer globally and Zamil Industrial, KSA which is among the top 10 Companies in Saudi Arabia

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<td>Thermal energy storage tank, Thermal energy storage systems &amp; controls.</td>
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<td>Executive Order No. 27</td>
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<td>502.13</td>
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<td><strong>503.02</strong></td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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Dubai Municipality Code |
| **Availability of material** | Not Applicable |

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<td><strong>Applicable Standards / Regulations</strong></td>
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<td>DEWA Specification</td>
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<td>504.02</td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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<td>1. Renewable Energy System (Solar Energy)</td>
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</table>
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.abusafiehgroup.com

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.com
www.ecovalme.com

Contact Person: Jim Sebastian

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.ae
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.com  
www.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.com  
www.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.
Section Six

Resource Effectiveness: Water
Chapter 1: Conservation and Efficiency

601.01 Water Efficient Fittings

Applicable Materials & Systems

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

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.

2. Dual Flush

601.02 Condensate Drainage

Applicable Materials & Systems
<table>
<thead>
<tr>
<th>1. Condensate Drainage System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
</tr>
<tr>
<td>DM/DEWA Green Building Regulation.</td>
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<tr>
<td><strong>Availability of material</strong></td>
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<table>
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<tr>
<th>601.03 Condensate Recovery</th>
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<tbody>
<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
</tr>
<tr>
<td>1. Condensate Drainage System</td>
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<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
</tr>
<tr>
<td>Dubai Municipality Regulation</td>
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<td><strong>Availability of material</strong></td>
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</table>

<table>
<thead>
<tr>
<th>601.04 Water Efficient Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
</tr>
<tr>
<td>1. Water Efficient Irrigation System</td>
</tr>
<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
</tr>
<tr>
<td>DM/DEWA Green Building Regulation.</td>
</tr>
<tr>
<td><strong>Availability of material</strong></td>
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</table>
### 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

---

### 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.

<table>
<thead>
<tr>
<th>603.02</th>
<th>Water Consumption for Heat Rejection Including Cooling Towers</th>
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<tbody>
<tr>
<td></td>
<td>Applicable Materials &amp; Systems</td>
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<tr>
<td></td>
<td>1. Water Meter</td>
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<tr>
<td></td>
<td>Applicable Standards / Regulations</td>
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<tr>
<td></td>
<td>DEWA Specification</td>
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<td></td>
<td>Availability of material</td>
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<tr>
<td></td>
<td>1. Water meter</td>
</tr>
</tbody>
</table>
Section Seven
Resource Effectiveness: Materials and Waste
# Chapter 1: Materials and Resources

## 701.01 Thermal and Acoustical Insulation Materials

### Applicable Materials & Systems

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**

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.
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

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 began 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 Abu Dhabi [ICAD]
P.O Box 34332, Abu Dhabi
Tel: +971 2 5512453
Fax: +971 2 5512451
E-mail: imallah@glasswool.ae
www.exeed.ae
Contact Person:  Mr. Imad Mallah, Sales Manager

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.mammmutsteel.ae

Contact Person: Mr. Satya Prakash, 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: napolpak@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.haprimiddleast.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


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 Mahmour, 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.

Pando Building Maintenance LLC
Contact Details: P.O. BOX 86248, ABDULLA ABDUL REHMAN SHEBANI BLDG
OFFICE/M-6 133/26C HORLANZ EAST AREA DM NO.43
U.A.E.
Tel: +971 4 2675107 / 6 5596201
Fax: +971 4 2675108 / 6 5551174
E-mail: pandouuae@gmail.com

Contact Person: Mr. Abdul Salam Ghamlouch

Supply & Installation of False Ceiling & Partition, Waterproofing, Combo Roof Waterproofing & interior decoration from last 30 years
Arabian Fiberglass Insulation Company Ltd.
Contact Details: AFICO GCC OFFICE, Zamil Building, Deira
P.O Box 44493
Dubai, UAE.
Tel: +971 4 2941211
Fax: +971 4 2921168
E-mail: kumar.vp@afico.com.sa / syed.azher@afico.com.sa
www.afico.com.sa

Contact Person: Mr. Sree Kumar, Regional Manager – GCC
Mr. Syed Ilyas, Sales Manager – GCC

AFICO is the largest manufacturer of premium Fiberglass Thermal Insulation products with a capacity of more than 48000 MT/year.
AFICO started its operations in Saudi Arabia in 1981 has Manufacturing facilities and Head Quarter in Dammam, Kingdom of Saudi Arabia, and is a Joint venture between Owens Corning, USA which is the Largest Glass Wool Manufacturer globally and Zamil Industrial, KSA which is among the top 10 Companies in Saudi Arabia

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

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

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**Exeed Glasswool LLC.**  
**Contact Details:**  
Industrial City of Abu Dhabi [ICAD]  
P.O Box 34332, Abu Dhabi  
Tel: +971 2 5512453  
Fax: +971 2 5512451  
E–Mail: imallah@glasswool.ae  
[www.exceed.ae](http://www.exceed.ae)  

Contact Person: Mr. Imad Mallah, Sales Manager  

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](http://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](http://www.giginsulation.com)  


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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
<table>
<thead>
<tr>
<th>Applicable Standards / Regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber Certification as per Dubai Municipality</td>
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</table>

<table>
<thead>
<tr>
<th>Availability of material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Timber</td>
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</tbody>
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### 701.03 Asbestos Containing Materials

<table>
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<tr>
<th>Applicable Materials &amp; Systems</th>
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<tbody>
<tr>
<td>1. Asbestose Free Materials</td>
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<table>
<thead>
<tr>
<th>Applicable Standards / Regulations</th>
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<tr>
<td>Dubai Municipality Technical Guideline – 48</td>
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</table>

<table>
<thead>
<tr>
<th>Availability of material</th>
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### 701.04 Lead or Heavy Metals Containing Materials

<table>
<thead>
<tr>
<th>Applicable Materials &amp; Systems</th>
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</thead>
<tbody>
<tr>
<td>1. Paints</td>
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<tr>
<td>2. Coating</td>
</tr>
<tr>
<td>3. Adhesive</td>
</tr>
<tr>
<td>4. Sealants</td>
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<table>
<thead>
<tr>
<th>Applicable Standards / Regulations</th>
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</thead>
<tbody>
<tr>
<td>Dubai Municipality Standard -20</td>
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<tr>
<td>Dubai Municipality Regulations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Availability of material</th>
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</thead>
</table>
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 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


**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 specialty 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 moste severe finishing applications from reputable hotes 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

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@nilgirisfzco.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.

HEMPHEL (EMIRATES)L.L.C.
Contact Details: Interchange 8, Sajja 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 waterpoofers 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

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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

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701.05 Ozone Depletion Potential (ODP) Material Management

Applicable Materials & Systems

1. HVAC Equipments with zero Ozone depletion potential (0PD)

Applicable Standards / Regulations
<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td><strong>Availability of material</strong></td>
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<tr>
<td>1. HVAC Equipments with zero Ozone depletion potential (0PD)</td>
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<tr>
<td><strong>701.06 Recycled Content</strong></td>
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<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
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<tr>
<td>1. Recycled Materials</td>
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<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
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<tr>
<td><strong>Availability of material</strong></td>
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<tr>
<td>Not Applicable</td>
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<td><strong>701.07 Regional Material</strong></td>
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<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
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<tr>
<td>1. The Economic Agreement between GCC States Adopted on GCC Council 22 Session on 31st December 2001</td>
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<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
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<td>Not Applicable</td>
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<td></td>
</tr>
<tr>
<td>Not applicable</td>
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<td></td>
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</tr>
</tbody>
</table>
### 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
<table>
<thead>
<tr>
<th><strong>702.03 Waste Storage</strong></th>
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<tbody>
<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
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<tr>
<td>1. Recycled and Non-recyclable Storage Area</td>
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<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
</tr>
<tr>
<td>Dubai Municipality Regulations</td>
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<td><strong>Availability of material</strong></td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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<td>1. Garbage Area</td>
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<td><strong>Applicable Standards / Regulations</strong></td>
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BS – 1703: 2005 |
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<tr>
<td><strong>702.05 Recyclable Waste Management Facilities</strong></td>
</tr>
<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
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<tr>
<td>1. Recyclable Waste Facility</td>
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<td>Availability of material</td>
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</table>
PART - II

AVAILABLITY OF TESTING FACILITY
### 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

**Availability of Testing Facility**

- 2. Special need Toilet

---

**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

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### 301.03 Bicycle Storage and Changing Rooms

<table>
<thead>
<tr>
<th>Applicable Materials &amp; Systems</th>
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</thead>
<tbody>
<tr>
<td>1. Cycle Rack</td>
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<table>
<thead>
<tr>
<th>Applicable Standards / Regulations</th>
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<tr>
<td>Dubai Municipality Administrative Resolution No.- 125 – 2001</td>
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<tr>
<td>Dubai Bicycle Master Plan 2008 - RTA</td>
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<table>
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<tr>
<th>Availability of Testing Facility</th>
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<tr>
<td>Not Applicable</td>
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### 302 Chapter 2: Ecology and Landscaping

<table>
<thead>
<tr>
<th>302.01 Local Species</th>
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</table>

<table>
<thead>
<tr>
<th>Applicable Materials &amp; Systems</th>
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<tr>
<td>3. Vegetated roof</td>
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<tr>
<td>4. Planted area</td>
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</table>

<table>
<thead>
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<th>Applicable Standards / Regulations</th>
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<tr>
<th>Availability of Testing Facility</th>
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<tbody>
<tr>
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</table>

### 303 Chapter 3: Neighborhood Pollution

<table>
<thead>
<tr>
<th>303.1 Exterior Light Pollution and Controls</th>
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</table>

<table>
<thead>
<tr>
<th>Applicable Materials &amp; Systems</th>
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</thead>
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<tr>
<td>3. Light shield</td>
</tr>
<tr>
<td>4. Automatic Control for Exterior Lighting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Applicable Standards / Regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>
Availability of Testing Facility

3. Light Shield
4. Automatic Control for Exterior Lighting

Dubai Central Laboratory

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Zabeel Road
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Dubai
Tel. 04 302 7007
Fax: 04 336 2696

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304 Chapter: 4 Micro Climate & Outdoor Comfort

304.01 Urban Heat Island Effect

Applicable Materials & Systems

2. SRI Roof

Applicable Standards / Regulations


Availability of Testing Facility

2. SRI Roof
### Dubai Central Laboratory

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Zabeel Road  
Next to Central Post Office  
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### 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.

<table>
<thead>
<tr>
<th>304.02</th>
<th>Green Roof</th>
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<tbody>
<tr>
<td></td>
<td>Applicable Materials &amp; Systems</td>
</tr>
<tr>
<td></td>
<td>2. Green Roof System</td>
</tr>
<tr>
<td></td>
<td>Applicable Standards / Regulations</td>
</tr>
<tr>
<td></td>
<td>ASTM E – 2400, ASTM E - 1980</td>
</tr>
</tbody>
</table>
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 Elian  
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**304.03** Light Colors on the Outside of Buildings

**Applicable Materials & Systems**
2. LRV Coatings & Paints

**Applicable Standards / Regulations**

BS 8493: 2008 + A1, ASTM E 1175

**Availability of Testing Facility**

2. LRV Coatings & Paints

**Dubai Central Laboratory**

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304.04 Orientation of Glazed Facades

**Applicable Materials & Systems**

2. Building Glass

**Applicable Standards / Regulations**


**Availability of Testing Facility**
2. Building Glass

Material Lab

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Al Quoze Industrial Area # 4, 10th Street.
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304.05 Hardscape

Applicable Materials & Systems

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

Applicable Standards / Regulations

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

Availability of Testing Facility

4. Vegetation
Dubai Central Laboratory

Material Lab

5. Paving Material with SRI
Dubai Central Laboratory

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Next to Central Post Office
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Dubai
Tel. 04 302 7007
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6. Shading Material with SRI
# Dubai Central Laboratory

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<table>
<thead>
<tr>
<th>304.06</th>
<th>Shading of Public Access Areas</th>
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<tbody>
<tr>
<td></td>
<td><strong>Applicable Materials &amp; Systems</strong></td>
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<tr>
<td></td>
<td>2. Shading Material with SRI</td>
</tr>
<tr>
<td></td>
<td><strong>Applicable Standards / Regulations</strong></td>
</tr>
</tbody>
</table>
Chapter 5: Responsible Construction

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

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<table>
<thead>
<tr>
<th>305.1</th>
<th>Impact of Construction, Demolition and Operational Activities</th>
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<tbody>
<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
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| **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 |

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<tr>
<td>306.01</td>
<td>Environmental Impact Assessment</td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
<td>Not Applicable</td>
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<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
<td>Dubai Municipality Technical Guideline No. 4 and 53</td>
</tr>
<tr>
<td><strong>Availability of Testing Facility</strong></td>
<td></td>
</tr>
</tbody>
</table>
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

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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
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Contact Person: Dr. Sunil Kumar, Laboratory Manager
E-mail: laboratory@geochem.ae / sales@geochem.ae
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<table>
<thead>
<tr>
<th>401</th>
<th>Chapter 1: Ventilation and Air Quality</th>
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</thead>
<tbody>
<tr>
<td>401.01</td>
<td>Minimum Ventilation requirements for Adequate Indoor Air Quality</td>
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<td><strong>Applicable Standards / Regulations</strong></td>
<td>ASHRAE 62 - 2007</td>
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<tr>
<td><strong>Availability of Testing Facility</strong></td>
<td>Dubai Central Laboratory</td>
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<tr>
<td><strong>Location &amp; Contact Details</strong></td>
<td>Location &amp; Contact Details</td>
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<td>Zabeel Road</td>
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<td></td>
<td>Dubai</td>
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<td></td>
<td>Tel. 04 302 7007</td>
</tr>
<tr>
<td></td>
<td>Fax: 04 336 2696</td>
</tr>
<tr>
<td></td>
<td>Contact Person: Eng. Ali Elian</td>
</tr>
<tr>
<td></td>
<td>(Head of Engineering Materials Section)</td>
</tr>
<tr>
<td></td>
<td>E-mail: <a href="mailto:info@dcl.ae">info@dcl.ae</a></td>
</tr>
<tr>
<td></td>
<td><a href="http://www.dcl.ae">www.dcl.ae</a></td>
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401.02 Air Quality During Construction, Renovation or Decoration

Applicable Materials & Systems

2. Air Filters

Applicable Standards / Regulations
ASHRAE 52.2 - 2007

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
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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  
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401.04 Isolation of Pollutant sources

Applicable Materials & Systems

2. Air extraction System

Applicable Standards / Regulations
Dubai Municipality Technical Guideline No. 57
ASHRAE 62.1 – 2007

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
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<table>
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<tr>
<th>401.05</th>
<th>Openable Windows</th>
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<td>2. Windows</td>
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<td>Applicable Standards / Regulations</td>
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<td>CIBSE application manual Am10:1997</td>
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<th>401.06</th>
<th>Indoor Air Quality Compliance – New Buildings</th>
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<td>Applicable Materials &amp; Systems</td>
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<tr>
<td></td>
<td>2. Enough ventilations</td>
</tr>
<tr>
<td></td>
<td>Applicable Standards / Regulations</td>
</tr>
</tbody>
</table>
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
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Contact Person: Eng. Ali Elian
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<table>
<thead>
<tr>
<th>401.07</th>
<th>Indoor Air Quality Compliance – Existing Buildings</th>
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</thead>
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<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
<td></td>
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<tr>
<td>2. Enough Ventilation</td>
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<tr>
<td><strong>Availability of Testing Facility</strong></td>
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<tr>
<td>1. Enough Ventilation</td>
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</tbody>
</table>
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<table>
<thead>
<tr>
<th>401.08</th>
<th>Inspection and Cleaning of HVAC Equipment</th>
</tr>
</thead>
</table>

**Applicable Materials & Systems**

2. HVAC equipments / system

**Applicable Standards / Regulations**

Dubai Municipality guidelines

**Availability of Testing Facility**

2. HVAC systems / equipments
Dubai Central Laboratory

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<tr>
<th>401.09</th>
<th>Parking Ventilation</th>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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<td>ASTM D – 3762</td>
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<table>
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<td><strong>Applicable Standards / Regulations</strong></td>
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</table>
### 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

---

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---

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

### Availability of Testing Facility

Not Applicable
Chapter 3: Acoustic Comfort

403.01 Acoustical Control

Applicable Materials & Systems

2. 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 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

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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  
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### 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
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Post Box # 67
Dubai
Tel. 04 302 7007
Fax: 04 336 2696

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4. Low VOC Adhesives

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Next to Central Post Office
Post Box # 67
Dubai
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Fax: 04 336 2696

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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
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### 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
<table>
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<th><strong>Chapter 6: Water Quality</strong></th>
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<td><strong>406.01 Legionella Bacteria and Building Water Systems</strong></td>
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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

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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

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<table>
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<th>406.02</th>
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<td>ASRAE – Guideline 12 - 2000</td>
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<td>Availability of Testing Facility</td>
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Dubai
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### Chapter 1: Conservation and Efficiency: Building Fabric

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<td>BSEN-13162, to 13165</td>
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<tr>
<td></td>
<td>3. Thermal Insulation Materials / Systems</td>
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#### 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](http://www.dcl.ae)**

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<tr>
<th>4. Glazed Elements (Glass)</th>
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501.02 Thermal Bridging

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<th>Applicable Materials &amp; Systems</th>
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<td>2. Thermal Insulation Materials</td>
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<table>
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<tr>
<th>Applicable Standards / Regulations</th>
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</thead>
</table>

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<tr>
<th>Availability of Testing Facility</th>
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<tr>
<td>2. Thermal Insulation Materials</td>
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Post Box # 67
Dubai
Tel. 04 302 7007
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Contact Person: Eng. Ali Elian
(Head of Engineering Materials Section)
E-mail: info@dcl.ae
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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
**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
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<thead>
<tr>
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<tr>
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<tr>
<td><strong>501.05 Air Leakage</strong></td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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</table>
| **Applicable Standards / Regulations** | ASTM E – 783  
ASTM E- 1424 |
| **Availability of Testing Facility** | Dubai Central Laboratory |

Dubai Central Laboratory
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

502

Chapter 2: Conservation and Efficiency: Building Systems

502.01 Energy Efficiency – HVAC Equipment and Systems

Applicable Materials & Systems

2. HVAC Equipments (Energy Efficient)
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<thead>
<tr>
<th>Applicable Standards / Regulations</th>
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<td>T1 – AR 1210/240</td>
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<td>AR 1210/240</td>
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<td>T1 – AR1 361</td>
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<td>T1 AR1550/590, AR1560</td>
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<thead>
<tr>
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<tr>
<td>2. HVAC Equipments (Energy Efficient)</td>
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<table>
<thead>
<tr>
<th>502.02 Demand Controlled Ventilation</th>
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<table>
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<tr>
<th>Applicable Materials &amp; Systems</th>
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<td>1. Mechanical Ventilation</td>
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<table>
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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
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<tr>
<td>1. Electronic Ballasts</td>
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<table>
<thead>
<tr>
<th>502.08 Control Systems for Heating, Ventilation and Air Conditioning (HVAC) Systems</th>
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<tbody>
<tr>
<td>Applicable Materials &amp; Systems</td>
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<tr>
<td>2. Control System for HVAC System.</td>
</tr>
<tr>
<td>Applicable Standards / Regulations</td>
</tr>
<tr>
<td>ASHRAE 90-1-2007</td>
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<tr>
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<tr>
<td>Availability of Testing Facility</td>
</tr>
<tr>
<td>2. Control System for HVAC System.</td>
</tr>
</tbody>
</table>
### 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

### 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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>2. Duct Insulation Materials</td>
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<td>BS 5422:2009</td>
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<tr>
<td>ASTM C-518 / C-177</td>
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### 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](http://www.dcl.ae)

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### 502.12 Thermal Storage for District Cooling

<table>
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<td><strong>502.13</strong></td>
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<td><strong>Applicable Materials &amp; Systems</strong></td>
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<td><strong>502.14</strong></td>
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<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
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| **Applicable Standards / Regulations** | ASHRAE 62 – 1  
Dubai Municipality Regulations |
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| <strong>503</strong> | Chapter 3: Commissioning and Management |</p>
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<td>2. Control and Monitoring System for HVAC</td>
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<td>2. Control and Monitoring System for HVAC</td>
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## Chapter 4: Onsite Systems: Generation & Renewable Energy

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

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<td>BS - 7671</td>
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### 504.02 Outdoor Lighting

<table>
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<td>2. Renewable Energy System (Solar Energy)</td>
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### 504.03 On-Site Renewable Energy – Solar Water Heating System
<table>
<thead>
<tr>
<th><strong>Applicable Materials &amp; Systems</strong></th>
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<tbody>
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<td>2. Solar Water Heater</td>
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<td>2. Solar Water Heater</td>
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</table>

**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  
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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

<table>
<thead>
<tr>
<th>601.02</th>
<th>Condensate Drainage</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Applicable Materials &amp; Systems</td>
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<tr>
<td></td>
<td>2. Condensate Drainage System</td>
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<tr>
<td></td>
<td>Applicable Standards / Regulations</td>
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<tr>
<td></td>
<td>Not Applicable</td>
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<td></td>
<td>Availability of Testing Facility</td>
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<td>Not Applicable</td>
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<tr>
<td>601.03</td>
<td>Condensate Recovery</td>
</tr>
<tr>
<td></td>
<td>Applicable Materials &amp; Systems</td>
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</tbody>
</table>
2. Condensate Drainage System

**Applicable Standards / Regulations**

Not Applicable

**Availability of Testing Facility**

Not Applicable

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**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**

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**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
### 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
### Chapter 1: Materials and Resources

#### 701.01 Thermal and Acoustical Insulation Materials

<table>
<thead>
<tr>
<th>Applicable Materials &amp; Systems</th>
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</thead>
<tbody>
<tr>
<td>3. Thermal Insulation Materials</td>
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<tr>
<td>4. Acoustic Insulation</td>
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<td>ASTM C – 578, c- 612</td>
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<td>Dubai Municipality Ad. Regulation 66/2003</td>
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<tr>
<td>3. Thermal Insulation Materials</td>
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#### Dubai Central Laboratory

Location & Contact Details
Zabeel Road
Next to Central Post Office
Post Box # 67
Dubai
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#### 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
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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
<table>
<thead>
<tr>
<th><strong>Applicable Standards / Regulations</strong></th>
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</thead>
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<tr>
<td>Dubai Municipality Technical Guideline – 48</td>
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<td>6. Coating</td>
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<td>7. Adhesive</td>
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<td>8. Sealants</td>
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<tr>
<td>5. Paints</td>
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<tr>
<td>6. Coatings</td>
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<td>2. HVAC Equipments with zero Ozone depletion potential (0PD)</td>
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<tr>
<td></td>
<td>Applicable Standards / Regulations</td>
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<tr>
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<td>OPP and GWP Indices</td>
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<td>2. HVAC Equipments with zero Ozone depletion potential (0PD)</td>
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</table>
### 701.07 Regional Material

#### Applicable Materials & Systems

- 2. The Economic Agreement between GCC States Adopted on GCC Council 22 Session on 31st 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
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Applicable Materials &amp; Systems</strong></td>
</tr>
<tr>
<td>2. Recyclable Waste Facility</td>
</tr>
<tr>
<td><strong>Applicable Standards / Regulations</strong></td>
</tr>
<tr>
<td><strong>Availability of Testing Facility</strong></td>
</tr>
<tr>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
References

1. Green Building Regulations and Specifications. Dubai-2010