

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality
hereby attests that the product(s)

Rigid Cellular Polystyrene Thermal Insulation

(Details as per the attached Scope of Certification)

manufactured by:

ARABIAN CHEMICAL COMPANY LTD (POLYSTYRENE)

P.O.BOX 30135-21477 JEDDAH IND.EST 3RD PHASE, JEDDAH, KSA

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

ASTM C578 - 2018

Accordingly, DCLD hereby authorizes the above manufacturer
to affix the DCL Product Conformity Mark on the above-mentioned product(s).



for / ENGR. AMIN AHMED AMIN
Director, Dubai Central Laboratory Department
Dubai Municipality



الإدارة العامة
Emirates International Accreditation Centre
CB-003-PRD

Certificate No: CL20020738
Valid Until: 21/03/2021



Current Issue Date: 22/03/2020
Original Issue Date: 22/03/2020

The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.
This Certificate is an electronic document subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.



DUBAI CENTRAL LABORATORY DEPARTMENT DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION REV.01

FOR CERTIFICATE NO. CL20020738

Certificate Issued To:	ARABIAN CHEMICAL COMPANY LTD (POLYSTYRENE) P.O.BOX 30135-21477 JEDDAH IND. EST 3RD PHASE, JEDDAH, KSA
Applicable Standard Specification:	ASTM C 578 – 18 – Standard Specification for Cellular Rigid Polystyrene Thermal Insulation
Applicable Specific Rules:	DM-DCLD-RD-DP 21-2106 (IC) “Specific Rules for Certification of Rigid Cellular Polystyrene Thermal Insulation as per ASTM C 578 – 18 Through Factory Assessment”.

S/N	PRODUCT DESCRIPTION	BRAND NAME	PRODUCT DETAILS
1	Rigid Cellular Extruded Polystyrene Thermal Insulation Board CFC Free (<i>see Note 3</i>)	WALLMATE: CW-TG	Size: 1250 x 600 mm & 2500 x 600mm Thickness: 30 - 100 mm ASTM Type IV
2	Rigid Cellular Extruded Polystyrene Thermal Insulation Board CFC Free (<i>see Note 3</i>)	FLOORMATE: FM 500 SL-G	Size: 1250 x 600 mm & 2500 x 600mm Thickness: 30 - 100 mm ASTM Type VII
3	Rigid Cellular Extruded Polystyrene Thermal Insulation Board CFC Free (<i>see Note 3</i>)	HIGH DENSITY HD 300 SL-G	Size: 1250 x 600 mm & 2500 x 600mm Thickness: 30 - 100 mm ASTM Type V
4	Rigid Cellular Extruded Polystyrene Thermal Insulation Board CFC Free (<i>see Note 3</i>)	ROOFMATE: RMSL	Size: 1250 x 600 mm & 2500 x 600mm Thickness: 40 - 100 mm* ASTM Type VI

***Revised scope to add thickness range.**

- NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.
 NOTE2: The above product shall bear the DCL Conformity Mark (applied on each product or on the packaging).
 NOTE3: CFC Free as per declaration from the company, in accordance with the 2017 Al Sa'fat Dubai Green Building Evaluation System.
 NOTE4: This scope superseded previous issued scope on 22 MARCH 2020



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TABLE 1 (EXTRUDED)

PHYSICAL PROPERTY REQUIREMENTS OF RIGID CELLULAR
POLYSTYRENE THERMAL INSULATION

S N	PROPERTIES	TYPE XII	TYPE X	TYPE XIII	TYPE IV	TYPE VI	TYPE VII	TYPE V
1	COMPRESSIVE RESISTANCE @ yield or 10% deformation, which occurs first, min kPa	<i>104</i>	<i>104</i>	<i>138</i>	<i>173</i>	<i>276</i>	<i>414</i>	<i>690</i>
2	THERMAL RESISTANCE of 25.4 mm thickness, @ mean temp. 35°C and 60% RH min, K-m ² /W	<i>0.77</i>	<i>0.84</i>	<i>0.65</i>	<i>0.84</i>	<i>0.84</i>	<i>0.84</i>	<i>0.84</i>
3	THERMAL CONDUCTIVITY , max, W/m·K @ 35°C and 60% RH	<i>0.0330</i>	<i>0.0303</i>	<i>0.0392</i>	<i>0.0303</i>	<i>0.0303</i>	<i>0.0303</i>	<i>0.0303</i>
4	FLEXURAL STRENGTH , min, kPa	<i>276</i>	<i>276</i>	<i>310</i>	<i>345</i>	<i>414</i>	<i>517</i>	<i>690</i>
5	WATER VAPOR PERMEANCE of 25.4 mm thickness, max, perm	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.1</i>	<i>1.1</i>	<i>1.1</i>
6	WATER ABSORPTION by total immersion, max volume %	<i>0.30</i>	<i>0.30</i>	<i>1.0</i>	<i>0.30</i>	<i>0.30</i>	<i>0.30</i>	<i>0.30</i>
7	DIMENSIONAL STABILITY (change in dimension), max, %	<i>2.0</i>	<i>2.0</i>	<i>2.0</i>	<i>2.0</i>	<i>2.0</i>	<i>2.0</i>	<i>2.0</i>
8	OXYGEN INDEX , min, volume %	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>	<i>24</i>
9	DENSITY , min, kg/m ³	<i>19</i>	<i>21</i>	<i>26</i>	<i>23</i>	<i>29</i>	<i>35</i>	<i>48</i>

NOTE: THE ABOVE SPECIFICATION VALUES ARE EXTRACTED FROM TABLE 1 OF ASTM C578-18



**DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION REV.01
FOR CERTIFICATE NO. CL20020738**

Original Issue Date : 22 MARCH 2020

Current Issue Date : 20 JULY 2020

Valid Until : 21 MARCH 2021

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager
Dubai Central Laboratory Department