

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:

EMIRATES EXTRUDED POLYSTYRENE

Plot No. 598-119, Dubai Investment Park, Dubai, UAE

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 C 578:18

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



Certificate No: CL08020044
Valid Until: 26/03/2023



Current Issue Date: 27/03/2022
Original Issue Date: 27/03/2008





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

**SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL08020044**

Certificate Issued To: EMIRATES EXTRUDED POLYSTYRENE LLC
Plot 598-119, Dubai Investment Park, Dubai, UAE

Applicable Standard Specification: ASTM C 578-18 – Standard Specification for Cellular Rigid Polystyrene Thermal Insulation

Applicable Specific Rules: DM-DCLD-RD-DP21-2106 (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 (See Note 4)	E-FOAM	Size: 1250 x 600 mm Thickness: 25-100 mm ASTM Type VI <i>(as per Table 1)</i>
	CFC Free (see Note 3)		Size: 1250 x 600 mm Thickness: 50-100 mm ASTM Type VII <i>(as per Table 1)</i>

- Note 1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.
- Note 2: The above products shall bear the DCL Conformity Mark (applied on each product or on the packaging).
- Note 3: CFC Free as per declaration from the company, in accordance with the 2020 Al Sa'fat Dubai Green Building System.
- Note 4: The product is an insulation for flat roofs covered by concrete used in conjunction with external roof waterproofing systems.



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DCL PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION
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**TABLE 1 (EXTRUDED)
PHYSICAL PROPERTY REQUIREMENTS OF RIGID CELLULAR
POLYSTYRENE THERMAL INSULATION**

SN	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	104	104	138	173	276	414	690
2	THERMAL RESISTANCE of 25.4 mm thickness, @ mean temp. 35°C and 60% RH min, K-m ² /W	0.77	0.84	0.65	0.84	0.84	0.84	0.84
3	THERMAL CONDUCTIVITY , max, W/m-K @ 35°C and 60% RH	0.0330	0.0303	0.0392	0.0303	0.0303	0.0303	0.0303
4	FLEXURAL STRENGTH , min, kPa	276	276	310	345	414	517	690
5	WATER VAPOR PERMEANCE of 25.4 mm thickness, max, perm	1.5	1.5	1.5	1.5	1.1	1.1	1.1
6	WATER ABSORPTION by total immersion, max volume %	0.30	0.30	1.0	0.30	0.30	0.30	0.30
7	DIMENSIONAL STABILITY (change in dimension), max, %	2.0	2.0	2.0	2.0	2.0	2.0	2.0
8	OXYGEN INDEX , min, volume %	24	24	24	24	24	24	24
9	DENSITY , min, kg/m ³	19	21	26	23	29	35	48

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

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ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager
Dubai Central Laboratory Department