



CERTIFICATE OF PRODUCT CONFORMITY

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

EXTRUDED POLYSTYRENE THERMAL INSULATION
(Details as per the attached Scope of Certification)

manufactured by:

EMIRATES EXTRUDED POLYSTYRENE LLC
Dubai Investment Park, P.O. Box 28807 Dubai UAE

have been assessed in accordance with DCLD Document Ref. No. 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 578-11

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


ENGR. HAWA ABDULLA BASTAKI
Director, Dubai Central Laboratory Department
Dubai Municipality

Certificate No: CL08020044
Valid Until: 26 March 2013



Current Issue Date: 27 March 2012
Original Issue Date: 27 March 2008

The attached Scope of Certification bearing the same Certificate No. forms an integral part of this certificate.
This certificate is subject to the Terms and Conditions of the Product Certification System.



CB-003

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

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

Certificate Issued To: Emirates Extruded Polystyrene LLC
Dubai Investment Park
P.O. Box 28807 Dubai UAE

Applicable Standard Specification: ASTM C 578-11 – Standard Specification
for Cellular Rigid Polystyrene Thermal
Insulation

Applicable Specific Rules: RD-DP21-2106 “Specific rules for certification of
rigid, cellular polystyrene thermal insulation
(ASTM C 578-11) through factory assessment”.

No.	Product Description	Brand Name	Dimension		Type
			Size	Thickness	
1	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Fire Retardant Grade*	E-FOAM	1250 x 600 mm	50, 60, 70, 75, 80 and 100 mm	ASTM Type VI (as per attached Table 1)

Note 1: * Minimum acceptable Oxygen Index as per ASTM C 578 is 24%.

Note 2: This document is part of the Certificate of Product Conformity bearing the same Cert. No.

Note 3: The above products shall bear the DCL Conformity Mark (applied on each product or on the packaging).

Handwritten signature and mark.

TABLE 1.
PHYSICAL PROPERTY REQUIREMENTS OF RIGID CELLULAR
EXTRUDED 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. of 24±1°C min, K-m ² /W	0.81	0.88	0.68	0.88	0.88	0.88	0.88
3	THERMAL CONDUCTIVITY , max, W/m-K @ 35°C and 60% RH	0.03295	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	25	29	35	48

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

Date of Original Issued : March 27, 2008
Date of Current Issued : March 27, 2012
Valid Until : March 26, 2013

ARIF HUSAIN AL MARZOUQI
 Acting Head of Inspection and Certification Section
 Dubai Central Laboratory Department