

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality,

hereby attests that the product(s)

EXPANDED POLYSTYRENE THERMAL INSULATION

(Details as per the attached Scope of Certification)

manufactured by:

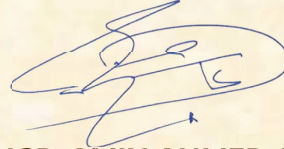
ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC - SHARJAH

P.O. Box 5088, Sharjah, U.A.E.

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 - 16

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



for / ENGR. AMIN AHMED AMIN

Director, Dubai Central Laboratory Department

Dubai Municipality

Verify:



Certificate No: CL05020006

Valid Until: 29 June 2019



Current Issue Date: 30 June 2018

Original Issue Date: 11 December 2005

DM-DCLD-F-IC-2031 REV 13

The attached Scope of Certification bearing the same Certificate No. 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 02
FOR CERTIFICATE NO. CL05020006**

Certificate Issued To:	ELECTRONIC & ENGINEERING INDUSTRIES - SHARJAH P.O. Box 5088 Sharjah UAE
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”.

No.	Product Description	Brand Name	Product Details		
			Size	Thickness	Type
1	Rigid Cellular Expanded Polystyrene Thermal Insulation Block Insert Fire Retardant Grade (see Note 2) CFC FREE (see Note 3)	EEL Block Insert	400 X 200 mm	60 mm	ASTM Type II Density: 25 kg/m ³ (min) (see Note 1) (as per Table 1)

Note 1: Minimum density required by Dubai Municipality for block insert.

Note 2: Minimum acceptable oxygen index as per ASTM C578 is 24%.

Note 3: In compliance with clause 701.01 (1) of the 2017 AL SA'FAT – DUBAI GREEN BUILDING EVALUATION SYSTEM.

Note 4: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

Note 5: The above products shall bear the DCL Conformity Mark (applied on each product or on the packaging).

Note 6: This supersedes the scope of certification issued on 08 October 2018.

**TABLE 1. (EXPANDED)
PHYSICAL PROPERTY REQUIREMENTS OF RIGID CELLULAR
POLYSTYRENE THERMAL INSULATION**

SN	PROPERTIES	TYPE XI	TYPE I	TYPE VIII	TYPE II	TYPE IX	TYPE XIV	TYPE XV
1	COMPRESSIVE RESISTANCE @ yield or 10% deformation, which occurs first, min kPa	35	69	90	104	173	276	414
2	THERMAL RESISTANCE of 25.4 mm thickness, @ mean	0.53	0.60	0.64	0.67	0.71	0.71	0.73

DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION- REV 02
FOR CERTIFICATE NO. CL05020006

	temp. of @ 35°C and 60% RH min, K-m ² /W							
3	THERMAL CONDUCTIVITY , max, W/m-K @ 35°C and 60% RH	0.0482	0.0419	0.0394	0.0377	0.0356	0.0356	0.0347
4	FLEXURAL STRENGTH , min, kPa	70	173	208	240	345	414	517
5	WATER VAPOR PERMEANCE of 25.4 mm thickness, max, perm	5.0	5.0	3.5	3.5	2.5	2.5	2.5
6	WATER ABSORPTION by total immersion, max volume %	4.0	4.0	3.0	3.0	2.0	2.0	2.0
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	12	15	18	22	29	38	48

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

Original Issue Date : 11 December 2005

Current Issue Date : 17 January 2019

Valid Until : 29 June 2019



ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager
Dubai Central Laboratory Department