



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:

JEHAN GREEN WALLS FZE

P.O. Box 50916, Hamriyah Free Zone, Sharjah, 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 Product Conformity Mark to the above-mentioned product(s).


ENGR. HAWWA ABBULLA BASTAKI
Director, Dubai Central Laboratory Department
Dubai Municipality

Certificate No: CL10020121
Valid Until: 03 February 2013

Current Issue Date: 04 February 2012
Original Issue Date: 04 February 2010

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. CL10020121**

Certificate Issued To: JEHAN GREEN WALLS FZE
P.O. Box 50916, Hamriyah Free Zone, Sharjah, UAE

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

Applicable Specific Rules: RD-DP21-2106 (IC) "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 Expanded Polystyrene Thermal Insulation Sheet Fire Retardant Grade*	JEHAN	Various Sizes	Up to 1000 mm	ASTM Type XI (as per Table 1)
2	Rigid Cellular Expanded Polystyrene Thermal Insulation Sheet Fire Retardant Grade*	JEHAN			ASTM Type I (as per Table 1)
3	Rigid Cellular Expanded Polystyrene Thermal Insulation Sheet Fire Retardant Grade*	JEHAN			ASTM Type II (as per Table 1)

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

Note 2: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

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

TABLE 1.
PHYSICAL PROPERTY REQUIREMENTS OF RIGID CELLULAR
EXPANDED 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 temp. of 24±1°C min, K-m ² /W	0.55	0.63	0.67	0.70	0.74	0.74	0.76
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	46

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

Original Issue Date: February 04, 2010

Current Issue Date: February 04, 2012

Valid Until : February 03, 2013



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