

# 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:

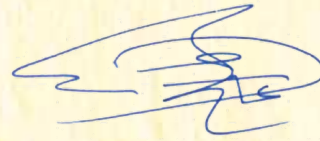
**ISOFOAM INSULATING PLANT**

**P.O. Box 23053, Safat, 13091 Kuwait**

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 - 2016

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: CL05020002  
Valid Until: 07/10/2019



Current Issue Date: 08/10/2018  
Original Issue Date: 27/07/2005

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-REVISION 01 FOR CERTIFICATE NO. CL05020002

**Certificate Issued To:** ISOFOAM INSULATING MATERIALS PLANT W.L.L.  
P.O. Box 23053, Safat, 13091 Kuwait

**Applicable Standard Specification:** ASTM C 578-16– Standard Specification for Rigid Cellular Polystyrene Thermal Insulation.

**Applicable Specific Rules:** RD-DP21-2106 (IC) “Specific Rules for Certification of Rigid, Cellular Polystyrene Thermal Insulation (ASTM C 578-16) Through Factory Assessment”.

NO.	PRODUCT DESCRIPTION	BRAND NAME	PRODUCT DETAILS		
			SIZE	THICKNESS	TYPE
1	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=60-100 (see Note 1) CFC Free (see Note 3)	ISOBOARD LD 21 CW	2500 mm x 600 mm	40 mm & 50 mm	Type X  (as per Table 1)
2	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=60-100(see Note 1) CFC Free (see Note 3)	ISOBOARD LD 26 CW	2500 mm x 600 mm	40 mm & 50 mm	Type IV  (as per Table 1)
3	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=60-100(see Note 1) CFC Free (see Note 3)	ISOBOARD ND	1250 mm x 600 mm	25, 30, 40, 50, 60, 65, 75, 80, and 100 mm	Type VI  (as per Table 1)
4	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=130-200(see Note 1) CFC Free (see Note 3)	ISOBOARD 36	1250 mm x 600 mm	20, 25, 30, 40, 50, 60, 65 and 75 mm	Type VII  (as per Table 1)
5	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=130-200(see Note 1) CFC Free (see Note 3)	ISOBOARD MD	1250 mm x 600 mm	40, 50, 60, 65, 75, 80 and 100 mm	Type VII  (as per Table 1)
6	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=130-200(see Note 1) CFC Free (see Note 3)	ISOBOARD HD	1250 mm x 600 mm	50 mm	Type V*  (as per Table 1)
7	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=60-100(see Note 1) CFC & HCFC Free (see Note 3)	ISOBOARD GREEN LD	2500 mm x 600 mm	25, 40 50,75 & 100 mm	Type IV  (as per Table 1)
8	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=60-100(see Note 1) CFC & HCFC Free (see Note 3)	ISOBOARD GREEN ND	1250 mm x 600 mm	25, 30, 40, 50, 60, 65, 75, 80, and 100 mm	Type VI  (as per Table 1)



9	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=130-200(see Note 1) CFC & HCFC Free (see Note 3)	ISOBOARD GREEN MD	1250 mm x 600 mm	25, 30, 40, 50, 60, 65, 75, 80, and 100 mm	Type VII <i>(as per Table 1)</i>
10	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=130-200(see Note 1) CFC & HCFC Free (see Note 3)	ISOBOARD GREEN 36	1250 mm x 600 mm	20, 25, 30, 40, 50, 60, 65 and 75 mm	Type VII <i>(as per Table 1)</i>
11	Rigid Cellular Extruded Polystyrene Thermal Insulation Board Flame Spread=0 & Smoke Developed=130-200(see Note 1) CFC & HCFC Free (see Note 3)	ISOBOARD GREEN HD	1250 mm x 600 mm	25, 50, 75, and 100 mm	Type V* <i>(as per Table 1)</i>

Note 1: The products complies with the UAE Fire and Life Safety Code of Practice 2018 as per UAE Civil Defense, Ministry of Interior Certificate of Compliance issued by UL with Certificate Number BRYX.R19032 and still valid as of date.

Note 2: In compliance with clause 701.01 (1) of the 2017 AL SA'FAT – DUBAI GREEN BUILDING EVALUATION SYSTEM.

Note 3: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

Note 4: The above products shall bear the DCL Conformity Mark (applied on each product or on the packaging).

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

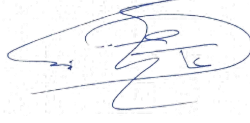
SN	PROPERTIES	TYPE XII	TYPE X	TYPE XIII	TYPE IV	TYPE VI	TYPE VII	TYPE V
1	<b>COMPRESSIVE RESISTANCE</b> @ yield or 10% deformation, which occurs first, min kPa	104	104	138	173	276	414	690
2	<b>THERMAL RESISTANCE</b> of 25.4 mm thickness, @ mean temp. 35°C and 60% RH min, K-m <sup>2</sup> /W	0.77	0.84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

Note: The Above Specification Values Are Extracted From Table 1 of ASTM C578-18

*Original Issue Date: 27 July 2005*

*Current Issue Date: 07 January 2019*

*Valid Until: 07 October 2019*



**ARIF HUSAIN AL MARZOOQI**

Products Conformity Assessment Section Manager

Dubai Central Laboratory Department