

# 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:

**ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC**

**ICAD 1, Mussafah, Abu Dhabi, 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 C578 - 2018

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



eiaci  
مركز الاعتمادات العالمية للاعتماد  
Emirates International Accreditation Centre  
CB-003-PRD

Certificate No: CL17020463  
Valid Until: 31/05/2020



Current Issue Date: 01/06/2019  
Original Issue Date: 01/06/2017

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  
FOR CERTIFICATE NO. CL17020463**

**Certificate Issued To:** ELECTRONIC & ENGINEERING INDUSTRIES CO. LLC  
ICAD 1, Mussafah, Abu Dhabi, 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 CFC Free (see Note 3)	ROOFMASTER XPS	Size: 1250 x 600 mm Thickness: 25 - 100 mm ASTM Type VI (as per Table 1)

NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE2: The above product shall bear the DCL Conformity Mark.

NOTE 3: CFC Free as per declaration from the company, in accordance with the 2017 Al Sa'fat Dubai Green Building Evaluation System.

**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							



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

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

*Original Issue Date* : 01 June 2017

*Current Issue Date* : 01 June 2019

*Valid Until* : 31 May 2020

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