حكومة دبي
GOVERNMENT OF DUBAI

بلدية دبي
DUBAI MUNICIPALITY

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:

STYROPACK FOR PLASTIC FACTORY LLC

P.O. Box 108358, Plot No. 22B3, 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 الإمارات العالمي للاعتماد
Emirates International Accreditation Centre
CB-003-PRD

Certificate No: CL13020181
Valid Until: 03/02/2020

DCL DUBAI MUNICIPALITY DUBAI CENTRAL LABORATORY
PRODUCT CONFORMITY

Current Issue Date: 04/02/2019
Original Issue Date: 04/02/2013

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 02

FOR CERTIFICATE NO. CL13020181

Certificate Issued To: STYROPACK FOR PLASTIC FACTORY LLC
P.O Box 108358 Plot No. 22B3, 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".

No.	Product Description	Brand Name	Product Details
1	Rigid Cellular Expanded Polystyrene Thermal Block Insert CFC FREE (See Note 3)	STYROPACK	Size: 400 x 200 mm Thickness = 60, 75, 110, and 160 mm Density=25 kg/m³ (min) (See Note 4) *(ASTM Type II as per Table1)*
2	Rigid Cellular Expanded Polystyrene Thermal Block Insert **(NEOPUR)** CFC FREE (See Note 3)	STYROPACK	Size: 400 x 200 mm Thickness = 60 mm Density=25 kg/m³ (min) (See Note 4) *(ASTM Type II as per Table1)*

DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION-REVISION 02

FOR CERTIFICATE NO. CL13020181

3	Rigid Cellular Expanded Polystyrene Thermal Block Sheets CFC FREE (See Note 3)	STYROPACK	Various Sizes & Thickness Type XI Type VIII Type II Type IX Type XV *(as per Table1)*
4	Rigid Cellular Expanded Polystyrene Thermal Block Sheets **(NEOPUR)** CFC FREE (See Note 3)	STYROPACK	Various Sizes & Thickness Type XI Type I Type VIII Type II Type IX *(as per Table1)*

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.*

NOTE 4: *Minimum density required by Dubai Municipality for block insert.*

NOTE 5: *This supersedes the Scope of Certification issued on 08 April 2019.*

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***

P.O. Box 67, DCL, Zabeel Road, Karama, Dubai, UAE

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	temp. of @ 35ºC and 60% RH min, K-m²/W							
3	**THERMAL CONDUCTIVITY,** max, W/m·K @ 35ºC 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/m³	***12***	***15***	***18***	***22***	***29***	***38***	***48***

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

Original Issue Date : *04 February 2013*

Current Issue Date : *30 June 2019*

Valid Until : *03 February 2020*

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager

Dubai Central Laboratory Department

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