

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality
hereby attests that the product(s)

Factory-made Polyurethane Thermal Insulation Foam

(Details as per the attached Scope of Certification)

: manufactured by

KINGSPAN INSULATED PANELS MFG

Plot no. 598899, Dubai Investment Park, Jebel Ali

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:

BS EN 13165: 2012

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: CL06020026
Valid Until: 19/11/2019



Current Issue Date: 20/11/2018
Original Issue Date: 20/11/2006

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 Rev 01
FOR CERTIFICATE NO. CL06020026**

Certificate Issued To: KINGSPAN INSULATED PANELS MANUFACTURING L.L.C.
P.O. Box 60493 DIP, Dubai UAE

Applicable Standard Specification: BS EN 13165:2012 –Thermal insulation products for buildings – Factory made rigid polyurethane foam (PU) products – Specification

Applicable Specific Rules: RD-DP21-2124 (IC) “Specific Rules for Certification of Factory Made Rigid Polyurethane Foam (PU) Thermal Insulation Products (as per BS EN 13165:2012) Through Factory Assessment”.

S/N	Product Description	Brand Name	Product Details
1	Factory made rigid polyisocyanurate (PIR) foam “CFC Free”	KSD 1000 RW PIR	<p>PIR Insulation Foam</p> <p>Nominal Thickness: 40-100mm; Nominal Length: 17.5m (max); Nominal Width: 1000mm; Apparent Density: $40 \pm 5 \text{ Kg/m}^3$; Thermal Conductivity: Initial = $0.025 \text{ W/(m}^*\text{K)}$ and Aged = $0.027 \text{ W/(m}^*\text{K)}$ @35 °C & 60% RH;</p> <p>Code: PIR-EN 13165-T2-DS (TH)1 –CS (10/Y)130-MU 45-150</p> <p>Manufactured with steel sheet facing on both sides to be used as thermal insulation for sandwich panel.</p> <p>Fire Safety Requirements Tests complies with the UAE Life and Safety Code of Practice as follows : Table 1.17c - Under Test 1 : Sandwich Panel as a product for Roofing – Sprinklered Buildings.</p>

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2	<p>Factory made rigid polyisocyanurate (PIR) foam</p> <p>“CFC Free”</p>	<p>KSD 1000 RW “QUADCORE”</p>	<p>PIR Hybrid Insulation Foam</p> <p>Nominal Thickness: 40-100mm; Nominal Length: 17.5m (max); Nominal Width: 1000mm; Apparent Density: $40 \pm 5 \text{ Kg/m}^3$; Thermal Conductivity: Initial = $0.023 \text{ W/(m}^*\text{K)}$ and Aged = $0.025 \text{ W/(m}^*\text{K)}$ @35 °C & 60% RH;</p> <p>Code: PIR-EN 13165-T2-DS (TH)1 –CS (10/Y)130-MU 45-150</p> <p>Manufactured with steel sheet facing on both sides to be used as thermal insulation for sandwich panel.</p> <p>Fire Safety Requirements Tests complies with the UAE Life and Safety Code of Practice as follows :</p> <p>Table 1.17a – Sandwich Panel on Non-Fire Resistance Rated and Non-Load Bearing Exterior Wall Covering</p> <ul style="list-style-type: none"> a. Low Rise Building b. Mid Rise Buildings c. Warehouse d. Industrial
4	<p>Factory made rigid polyisocyanurate (PIR Hybrid) Insulation</p> <p>“CFC Free”</p>	<p>KSD 1100 CS “QUADCORE”</p>	<p>PIR Hybrid Insulation Foam</p> <p>Nominal Thickness: 80 - 200mm; Nominal Length: 17.5m (max); Nominal Width: 1100mm; Apparent Density: $40 \pm 5 \text{ Kg/m}^3$; Thermal Conductivity: Initial = $0.023 \text{ W/(m}^*\text{K)}$ and Aged = $0.025 \text{ W/(m}^*\text{K)}$ @35 °C & 60% RH;</p> <p>Code: PIR-EN 13165-T2-DS (TH)1 –CS (10/Y)130-MU 45-150</p>

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			<p>Manufactured with steel sheet facing on both sides to be used as thermal insulation for sandwich panel.</p> <p>Fire Safety Requirements Tests complies with the UAE Life and Safety Code of Practice as follows : Table 1.17c - Under Test 1 : Sandwich Panel as a product for:</p> <ul style="list-style-type: none"> a. Internal Non-Fire Resistance Rated Walls and Partitions b. Internal Fire Resistance Rated Walls and Partitions c. Cold Storage Walls
5	<p>Factory made rigid polyisocyanurate (PIR Hybrid) Insulation</p> <p>“CFC Free”</p>	<p>KSD 1000 AWP “QUADCORE”</p>	<p>PIR Hybrid Insulation Foam</p> <p>Nominal Thickness: 50 - 120mm; Nominal Length: 17.5m (max); Nominal Width: 1000mm; Apparent Density: $40 \pm 5 \text{ Kg/m}^3$; Thermal Conductivity: Initial = $0.023 \text{ W/(m}^*\text{K)}$ and Aged = $0.025 \text{ W/(m}^*\text{K)}$ @35 °C & 60% RH;</p> <p>Code: PIR-EN 13165-T2-DS (TH)1 –CS (10/Y)130-MU 45-150</p> <p>Manufactured with steel sheet facing on both sides to be used as thermal insulation for sandwich panel.</p> <p>Fire Safety Requirements Tests complies with the UAE Life and Safety Code of Practice as follows : Table 1.17a – Sandwich Panel on Non-Fire Resistance Rated and Non-Load Bearing Exterior Wall Covering</p>

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			a. Low Rise Building b. Mid Rise Buildings c. Warehouse d. Industrial
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NOTE 1: This certification covers only the PIR foam within the panel

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

NOTE3: CFC Free as per declaration from the company, in accordance with the 2017 Al Sa'fat Dubai Green Building Evaluation System

NOTE 4: The above product shall bear the DCL Conformity Mark applied on each individual product.

NOTE 5: This supersedes the scope of certification issued on 20 November 2018

Original Issue Date : 20 November 2006

Current Issue Date : 20 February 2019

Valid Until : 19 November 2019

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager

Dubai Central Laboratory Department