

CERTIFICATE OF PRODUCT CONFORMITY

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

Phenolic Thermal Insulation

(Details as per the attached Scope of Certification)

manufactured by:

KINGSPAN INSULATION LIMITED

Torvale Industrial Estate, Pembridge, Leominster, Herefordshire, HR6 9LA, United Kingdom

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 13166:2012+A1:2015

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: CL16020337
Valid Until: 02/03/2020



Current Issue Date: 03/03/2019
Original Issue Date: 03/03/2016

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. CL16020337**

| | |
|---|--|
| Certificate Issued To: | KINGSPAN INSULATION LIMITED Torvale Industrial Estate, Pembridge, Leominster Herefordshire, HR6 9LA, United Kingdom |
| Applicable Standard Specification: | BS EN 13166: 2012 + A1: 2015 –Thermal insulation products for buildings – Factory made Phenolic foam (PF) products - Specification |
| Applicable Specific Rules: | DM-DCLD-RD-DP21-2186 (IC) “Specific Rules for Certification of Factory Made Phenolic Foam Products – (BS EN 13166: 2012 + A1: 2015) Through Factory Assessment”. |

| S/N | PRODUCT DESCRIPTION | BRAND NAME | PRODUCT DETAILS |
|-----|--|-----------------------|---|
| 1 | Factory made Phenolic Foam (PF) Products “ CFC Free “ (See Note 5) | KINGSPAN KOOLTHERM | PHENOLIC FOAM FOR THERMAL INSULATION Thickness (Tolerance) : < 50 mm (+/-2 mm) 50 to 100 mm (-2mm, +3mm) > 100 mm (-2mm, +5 mm) Width (Tolerance) : +/- 3 mm ; Length (Tolerance) : +/-7.5 mm Density : 35 kg/m ³ (min) Thermal conductivity (Initial) – 0.029 W/(m*K), (max) (Aged) - 0.030 W/(m*K) (max) (See Note 4) Compressive Strength: 100 kPa (min) Dimensional Stability : Length & Width – 1.5% (max) Thickness – 1.5% (max) |



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|--|--|--|--|
| | | | <p>Code: PF - EN 13166 - T1 - DS (70, 90) - CS(Y) 100</p> <p>Manufactured with either glass tissue, composite foil or plaster board facing materials intended for walls, roof, and floor insulation</p> <p>Fire Performance Test as per ASTM E 84 meets Class A : FS = 0-25 and SD = 0-450 (See Note 6)</p> |
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NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

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

NOTE 3: This certification covers the Phenolic Foam (PF) insulation only.

NOTE 4: Maximum k-value measured at 35 °C temperature and 60% relative humidity condition.

NOTE 5: CFC Free as per declaration from the company In compliance with 2017 Al Sa'fat Dubai Green Building Evaluation System

NOTE 6: Fire Safety Requirements Tests complies with Test 1 of Table 1.15a: EIFS and ETICS on Non-Fire Resistance Rated and Non-Load bearing Exterior Wall Covering – Test Requirements of the 2018 UAE Life and Safety Code of Practice

Original Issue Date : 03 March 2016

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Valid Until : 02 March 2020

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager
Dubai Central Laboratory Department