

CERTIFICATE OF PRODUCT CONFORMITY

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

Pipe and Duct Insulation

(Details as per the attached Scope of Certification)

manufactured by:

INSULTHERM MIDDLE EAST LLC

P.O. BOX 326853, Um Al Quwain, United Arab Emirates

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:

2017 AL SA'FAT GREEN BUILDING EVALUATION SYSTEM

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: CL18020533 01
Valid Until: 09/01/2020



Current Issue Date: 06/02/2019
Original Issue Date: 10/01/2018

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. CL18020533 (REV. 01)

Certificate Issued To: **INSULTHERM MIDDLE EAST L.L.C.**
P.O. Box 326853, Um Al Quwain, UAE

Applicable Standard Specification: 2017 Al Sa'fat – Dubai Green Building Evaluation System

Applicable Specific Rules: DM-DCLD-RD-DP21-2185-(IC) Specific Rules for Factory Assessment Certification of Pipe and Duct Insulation as per 2017 Al Sa'fat – Dubai Green Building Evaluation System

S/N	PRODUCT DESCRIPTION	BRAND NAME	PRODUCT DETAILS
1.	DUCT INSULATION MATERIALS	INSULTHERM®	<p>DUCT INSULATION MATERIALS</p> <p>PHENOLIC FOAM INSULATION PANEL <i>(see note 5)</i></p> <p>Manufactured with embossed aluminum foil facing on both sides</p> <p>Panel dimensions: Length = 3980 - 4000 mm; Width = 1200 mm; Thickness = 20mm & 30mm</p> <p>Density = 50 to 70 kg/m³ Thermal Conductivity (max) = 0.041 W/m-K @ 35°C & 60% RH</p> <p>Water Vapor Permeance is meeting the requirements of Table 1 of BS 5422:2009</p> <p>Fire performance test as per ASTM E84 (Flame Spread ≤ 25 and Smoke Developed Index ≤ 50) - <i>(see note 4)</i></p> <p>CFC Free - <i>(see note 3)</i></p>

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2.	PIPE & DUCT INSULATION MATERIALS	INSULTHERM®	<p>PIPE & DUCT INSULATION MATERIALS</p> <p>PHENOLIC FOAM INSULATION SHEET <i>(see note 5)</i></p> <p>Manufactured with reinforced aluminum foil facing on either one side or both sides</p> <p>Board / Slab Thickness: 10 mm to 150 mm</p> <p>Density = 40 to 120 kg/m³ Thermal Conductivity (max) = 0.041 W/m*K @ 35°C & 60% RH</p> <p>Water Vapor Permeance is meeting the requirements of Table 1 of BS 5422:2009</p> <p>Fire performance test as per ASTM E84 (Flame Spread ≤ 25 and Smoke Developed Index ≤ 50) - <i>(see note 4)</i></p> <p>CFC Free - <i>(see note 3)</i></p>
3.	PIPE AND DUCT INSULATION MATERIALS	INSULTHERM®	<p>PIPE & DUCT INSULATION MATERIALS</p> <p>PHENOLIC FOAM INSULATION PIPE <i>(see Note 5)</i></p> <p>Manufactured with reinforced aluminum foil facing on either one side or both sides</p> <p>Pipe Length: 1200 mm (max); Pipe ID (Inside Diameter): 10 mm to 2000 mm; Pipe Thickness: 10 mm to 150 mm</p> <p>Density = 40 to 120 kg/m³ Thermal Conductivity (max) = 0.041 W/m*K @ 35°C & 60% RH</p>

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			<p>Water Vapor Permeance is meeting the requirements of Table 1 of BS 5422:2009</p> <p>Fire performance test as per ASTM E84 (Flame Spread \leq 25 and Smoke Developed Index \leq 50) - (see note 4)</p> <p>CFC Free - (see note 3)</p>
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NOTE 1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE 2: The above products 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: The fire safety test results meet the requirements of the 2018 UAE Fire and Life Safety Code of Practice as an insulation material. The user of the product should be aware and refer to the requirements of the 2017 UAE Fire and Life Safety Code of Practice when used as component of rigid or flexible air ducts.”

NOTE 5: The products are produced by INSULTHERM MIDDLE EAST L.L.C. Outsourced Facility, BEIJING JINGWEI RUIYUAN SCIENCE AND TECHNOLOGY CO. LTD. located in No. 4188 Dongfanghong Road, Yuanqiao District, Deshou City, Shandong Province, China.

NOTE 6: This supersedes the Scope of Certification issued on 10 January 2019.

Original Issue Date : 10 January 2018

Current Issue Date : 06 February 2019

Valid Until : 09 January 2020



ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager
Dubai Central Laboratory Department