

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:

HIRA INDUSTRIES LLC

Al Ghail Industrial Park, Ras Al Khaima, 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:

2017 AL SA'FAT DUBAI 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: CL16020375 1
Valid Until: 27/06/2021



Current Issue Date: 28/06/2020
Original Issue Date: 28/06/2016



The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.
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DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL16020375 (REV. 02)

- Certificate Issued To** : **HIRA INDUSTRIES LLC.**
Al Ghail Industrial Park, Ras Al Khaima, 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 FA Certification of Pipe and Duct Insulation as per Al Sa'fat Dubai Green Building Evaluation System

S/N	Product Description	Brand Name	Product Details
1.	NBR Flexible Closed-Cell Elastomeric Foam Thermal Insulation for Pipes and Ducts CFC Free (<i>See Note 3</i>)	AEROFOAM and FLEXICELL	<p>1.1 NBR Elastomeric Foam manufactured without facing on both sides</p> <p>1.2 NBR Elastomeric Foam manufactured with Aluglass foil facing on one side and unfaced on the other side</p> <p>1.3 NBR Elastomeric Foam manufactured with Aluglass foil-facing on one side and self-adhesive on the other side</p> <p>1.4 LN Semi-Open Cell Elastomeric Foam manufactured without facing on one side and self-adhesive on the other side</p> <p>1.5 NBR Elastomeric Foam manufactured without facing on one side and Adhesive on the other side</p>

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			<p>Thermal conductivity (max) – 0.035W/(m-°K)* @ 35°C & 55% RH</p> <p>(Water Vapor Permeance = 0.00 g/Pa-s-m2) is meeting the requirements of Table 1 of BS 5422:2009</p> <p>Declared Density: 40 – 70 kg/m3 min</p> <p>Sheets Thickness: 6 mm to 50 mm</p> <p>Pipe Section Tube thickness: 6 mm to 32 mm Pipe Inside Diameter (ID): 6 mm to 114 mm</p>
2.	<p>XLPE Cross-linked Closed-Cell Polyolefin Foam Thermal Insulation for Pipes and Ducts</p> <p>CFC Free (<i>See Note 3</i>)</p>	<p>AEROFOAM and FLEXICELL</p>	<p>2.1 XLPE Cross-Linked Closed-Cell Polyolefin Foam manufactured with reinforced aluminum foil on one face and on the other side with and without adhesive</p> <p>2.2 XLPE Cross-Linked Closed-Cell Polyolefin Foam Thermal insulation Manufactured with Reinforced Aluminum Foil Black, Green, Red and Blue Color on one side and self-adhesive or without self-adhesive in the other side</p>

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			<p>2.3 LX Cross-Linked Semi-Open Cell Polyolefin foam manufactured without facing in one side and adhesive in the other side for duct liner insulation materials</p> <p>2.4 SLM and SL+ Pipe Lagging Material</p> <p>Thermal conductivity (max)–0.040 W/(m-°K)* @ 35°C & 55% RH</p> <p>(Water Vapor Permeance = 0.00 g/Pa-s-m2) is meeting the requirements of Table 1 of BS 5422:2009</p> <p>Foam Core Density : 25 – 30 kg/m³ min</p> <p>Sheets Thickness: 3 to 100 mm</p> <p>Pipe Section Tube Thickness: 3 mm to 100 mm Pipe Inside Diameter (ID): 15 mm to 1016 mm</p>
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*re-declared value

Note 1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

Note 2: The above product shall bear the DCL Conformity Mark.

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

Note 4: This supersedes the Scope of Certification issued on 28 June 2020.



DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

**SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL16020375 (REV. 02)**

Original Issue Date: 28 June 2016

Current Issue Date: 17 November 2020

Valid Until: 27 June 2021

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager
Dubai Central Laboratory Department