



# 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:

**K FLEX GULF MANUFACTURING LLC**

**P.O. Box 112215, Building 598-1775, 78th Street, Dubai Investment Park 1, Dubai, U.A.E.**

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



الإدارة العامة للتأهيل  
Emirates International Accreditation Centre  
CB-003-PRD

Certificate No: CL16020358  
Valid Until: 02/05/2021



Current Issue Date: 03/05/2020  
Original Issue Date: 03/05/2016

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. CL16020358 (REV. 01)**

**Certificate Issued To:** **K-FLEX GULF MANUFACTURING LLC**  
P.O. Box 112215, Building 598-1775, 78th Street,  
Dubai Investment Park 1, Dubai, U.A.E.

**Applicable Standard Specification:** 2017 Al Sa'fat 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.	Elastomeric NBR Foam for Pipe and Duct Insulation (See Note 4)  CFC Free (See Note 3)	K-FLEX (ST, ST-SA, LS, LS-SA)  K-FLEX ALU GLASS (ST, ST-SA, LS, LS-SA)	1.1 Elastomeric NBR Foam for Pipe and Duct Insulation – Un-faced  1.2 Elastomeric NBR Foam for Pipe and Duct Insulation with Alu-Glass Facing  Thermal Conductivity (max) – 0.0395 W/(m-°K) @ 35 °C & 60% RH  (Water Vapor Permeance = 0.00 g/Pa-s-m2) is meeting the requirements of Table 1 of BS 5422:2009  Density: 40 – 65 kg/m3 Sheet / Pipe Thickness : 6.0 to 50.0 mm Pipe ID / Pipe Length: 6.0 to 170.0 mm / 1.80 to 2.0 m Sheet Length : 0.9 to 30.0 m Sheet Width : 1.0 to 1.2 m

DUBAI CENTRAL LABORATORY DEPARTMENT  
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SCOPE OF CERTIFICATION  
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2.	<p>XLPE Foam for Duct Insulation (See Note 5)</p> <p>CFC Free (See Note 3)</p>	<p>K FLEX K PROTECT</p>	<p>2.1 XLPE Foam for Pipe and Duct Insulation "K Flex K Protect" brand Manufactured with Aluminum Foil Facing on one side &amp; self-adhesive on the other side Density of 30 kg/m<sup>3</sup> min Sheet thickness: 6 mm to 50 mm Tube Sizes: Thickness: 6 mm to 50 mm Length: 2 meter Inside diameter: 6 mm to 168 mm</p> <p>Thermal Conductivity (max) – 0.047 W/(m·°K) @ 35 °C &amp; 60% RH (Water Vapor Permeance = 0.00 g/Pa·s·m<sup>2</sup>) is meeting the requirements of Table 1 of BS 5422:2009</p> <p>2.2 XLPE Foam for Pipe and Duct Insulation "K Flex K Protect" brand Manufactured without facing on both sides Density of 24 kg/m<sup>3</sup> min Sheet thickness: 6 mm to 50 mm Tube Sizes: Thickness: 6 mm to 50 mm Length: 2 meter Inside diameter: 6 mm to 168 mm</p> <p>Thermal Conductivity (max) – 0.047 W/(m·°K) @ 35 °C &amp; 60% RH (Water Vapor Permeance = 0.00 g/Pa·s·m<sup>2</sup>) is meeting the requirements of Table 1 of BS 5422:2009</p>
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SCOPE OF CERTIFICATION  
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			<p>2.3 XLPE Foam for Pipe and Duct Insulation for Pipe and Duct Insulation "K Flex K Protect" brand Manufactured with aluminum foil facing on one side and without facing the other side Density of 29 kg/m<sup>3</sup> min Sheet thickness: 6 mm to 50 mm Tube Sizes: Thickness: 6 mm to 50 mm Length: 2 meter Inside diameter: 6 mm to 168 mm</p> <p>Thermal Conductivity (max) – 0.047 W/(m·°K) @ 35 °C &amp; 60% RH (Water Vapor Permeance = 0.00 g/Pa-s-m<sup>2</sup>) is meeting the requirements of Table 1 of BS 5422:2009</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 Green Building evaluation system.

**Note 4:** These products are manufactured in K-FLEX Gulf Manufacturing LLC - Dubai.

**Note 5:** These products are manufactured only in K-FLEX Outsourced Facility, K-FLEX MALAYSIA SDN. BHD. Located in Lot 2752 Jalan Raja Nong, Taman Klang Jaya, 41200 Klang, Selangor, MALAYSIA.

**Note 6:** The new outsourced factory is reflected in the revision of this DCL Scope of Certification and this document supersedes the one issued last 03 May 2020.

**Original Issue Date:** 03 May 2016

**Current Issue Date:** 21 July 2020

**Valid Until:** 02 May 2021



ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager  
Dubai Central Laboratory Department