

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:

THAI SEKISUI FOAM CO. LTD

Moog Amata Nakorn Indl. Est., Tumbol, Donhua-loh, Ampur Muang, Chonburi 2000, Thailand

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: CL16020320
Valid Until: 06/02/2020



Current Issue Date: 07/02/2019
Original Issue Date: 07/02/2016

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. CL16020320**

Certificate Issued To: THAI SEKISUI FOAM CO. LTD
700/329 Moo 6, Amata Nakorn Industrial Estate, Tumbol,
Donhua-loh, Ampur Muang, Chonburi 20000 THAILAND

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

Applicable Specific Rules: DM-DLCD-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	Physically crosslinked closed cell polyolefin foam with reinforced aluminum foil and acrylic adhesive backing for pipe and duct insulation materials CFC Free (See Note 3)	THERMOBREAK	Physically crosslinked closed cell polyolefin foam with reinforced aluminum foil and acrylic adhesive backing for pipe and duct insulation materials with thermal conductivity (max) – 0.040 W/(m·°K) @ 35 °C & 55% RH Thermobreak Sheet: 12 mm, 15 mm, 20 mm, 25mm, 30mm, and 50 mm thickness Thermobreak Tube: Inside Diameter (3.175 mm [1/8 inch] ~ 254 mm [10 inches]) with thickness (15 mm ~ 50 mm) Fire Performance Test ** as per ASTM E84 (Flame Spread ≤ 25 and Smoke Developed Index ≤ 50) <i>(See Note 4)</i>
2	Physically crosslinked closed cell polyolefin foam with reinforced aluminum foil and acrylic adhesive backing for pipe and duct insulation materials CFC Free (See Note 3)	THERMOBREAK	Thermobreak LS Sheet : 12mm, 15mm, 20mm, 25mm, 30mm and 50mm thickness Thermobreak LS-F Tube : Inside Diameter (6.35 mm [1/4 inch] ~ 254 mm [10 inches]) with thickness (15 mm ~ 50 mm) Fire Performance Test as per ASTM E84 (Flame Spread ≤ 25 and Smoke Developed Index ≤ 50) <i>(See Note 4)</i>



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S/N	Product Description	Brand Name	Product Details
3	Physically crosslinked closed cell polyolefin foam with reinforced aluminum foil and acrylic adhesive backing for pipe and duct insulation materials CFC Free (See Note 3)	THERMOBREAK	** Thermobreak Sheet No Clad: 25 mm, 30 mm, and 50 mm thickness ** Thermobreak Tube No Clad: Inside Diameter (3.175 mm [1/8 inch] ~ 254 mm [10 inches]) with thickness (15 mm ~ 50 mm) Fire Performance Test as per ASTM E84 (Flame Spread ≤ 25 and Smoke Developed Index ≤ 50) (See Note 4)

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 complies with 2018 UAE Fire and Life Safety Code of Practice.

Original Issue Date : 07 February 2016

Current Issue Date : 07 February 2019

Valid Until : 06 February 2020

ARIF HUSAIN AL MARZOOQI
Products Conformity Assessment Section Manager
Dubai Central Laboratory Department