

CLASS 1

Building Product Information Sheet

Product name:

K-Flex Elastomeric Insulation Tubes

Product description and its intended use:

K-Flex elastomeric insulation protects copper pipes from the elements of weather. K-Flex is suitable for sleeving over either hot and cold-water pipes or air conditioning pipes.

The protective foam reduces the amount of time cold water takes to warm up especially when the water heater is a long way away from the bathroom or kitchen.

Product identifier (if applicable):

K-Flex Elastomeric Insulation Tubes

(This could be a Global Trade Item Number (GTIN) or quick response code (QR code), or any other distinguishable part/model number or identifier.)

Place of manufacture: Aotearoa New Zealand Overseas

Legal and trading name of the manufacturer(s):

K-Flex Elastomeric Insulation Tubes

Address for service:

Level TREET NAME **Lot 2752, Jalan Raja Nong, Taman**

SUBURB **Klang Jaya**

CITY, COUNTRY

POSTCODE **41200**

**Klang, Selangor D.E.,
Malaysia.**

Website:

<https://corporate.kflex.com/>

Email address:

kflexmktg@kflex.com.my

Phone no. (if applicable):

NZBN (if applicable):



Legal and trading name of the importer (if applicable):

ACM (NZ) Pty Limited

Address for service:

STREET NAME 47 Stonedon Drive

SUBURB East Tamaki

CITY, COUNTRY Auckland, New Zealand

POSTCODE 2013

Website:

www.acmhardware.com

Email address:

info@acmhardware.com

Phone no. (if applicable):

+64 9 320 4515

NZBN (if applicable):

9429030191990

Relevant Building Code

B2.3.1(b)
F2.3.1
G10.3.1
G12.3.2, G12.3.7
H1.3.3

Statement on how the building product is expected to contribute to compliance:

B2 Durability

This product is a component within the plumbing services of a building, typically controlling the flow water at a terminus, is easy to access and replace, and failure would be easily detected during normal use.

F2 Hazardous Building Materials

This product is constructed of materials that will not emit harmful concentrations of substances from exposed surfaces.

G10 Piped services

The objective of this provision is to safeguard people from injury or illness caused by extreme temperatures or hazardous substances associated with building services.

G12 Water Supplies

A potable water supply system must be protected from contamination; and installed in a manner that avoids the likelihood of contamination.

H1 Energy efficiency

The objective of this provision is to facilitate efficient use of energy.

- options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)
- standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured
- physical properties of the building product
- how the building product is intended to be used.

Limitations on the use of the building product:

Temperature range - K-FLEX® ST Tubes: from -165 °C* to +110 °C

Design requirements that would support the appropriate use of the building product:

<https://kflex.com/products/fef/k-flex-st#techspec>

Installation requirements (also provide link to the product installation guide):

Hot water pipes must be insulated to satisfy the requirements of Building Code and AS/NZS3500.

<https://kflex.com/products/fef/k-flex-st#techspec>

<https://kflex.com/products/fef/k-flex-st#documents>

Maintenance requirements (also provide link to the product maintenance guide):

None

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

Yes No

If yes, description of the warning or ban under section 26:

N/A

Date: 11/12/23

K-FLEX® ST TECHNICAL DATA												
Property	Value	Test method										
Temperature range	K-FLEX® ST Tubes: from -165 °C* to +110 °C K-FLEX® ST/SK: from -40 °C to +85 °C K-FLEX® ST Sheets: from -165 °C* to +85 °C	EN 14706 EN 14707										
Thermal conductivity λ , W/(m•K)	<table border="1"> <thead> <tr> <th>Thicknesses \leq 25mm</th> <th>Thicknesses $>$ 25mm</th> </tr> </thead> <tbody> <tr> <td>-20 °C = 0,031</td> <td>-20 °C = 0,034</td> </tr> <tr> <td>0 °C = 0,033</td> <td>0 °C = 0,036</td> </tr> <tr> <td>+20 °C = 0,035</td> <td>+20 °C = 0,038</td> </tr> <tr> <td>+40 °C = 0,037</td> <td>+40 °C = 0,040</td> </tr> </tbody> </table>	Thicknesses \leq 25mm	Thicknesses $>$ 25mm	-20 °C = 0,031	-20 °C = 0,034	0 °C = 0,033	0 °C = 0,036	+20 °C = 0,035	+20 °C = 0,038	+40 °C = 0,037	+40 °C = 0,040	EN 12667 EN ISO 8497
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+40 °C = 0,037	+40 °C = 0,040											
Corrosion prevention	pH neutral (7)	EN 13468										
Permeability μ	≥ 10000 ≥ 7000	EN 12086										
Fire rating	K-FLEX® ST Tubes: Euroclass B _s -s2, d0 K-FLEX® ST/SK: Euroclass B _s -s2, d0 K-FLEX® ST Sheets: Euroclass B-s3, d0 Class 0	EN 13501-1 EN 13501-1 EN 13501-1 BS 476 Part 6/7										
Ecological data	Without CFCs and HCFCs											
Approvals	Environmental Product Declarations EPD R1-HL2 ECO-BAU and MINERGIE-ECO CE-MARINE (Bureau Veritas) ABS (American Bureau of Shipping) DNV Lloyd's Register UL94 FM Approval	UNI ISO 14025 & EN 15804:2012+A2:2019 EN 45545-2: 2013										

* For industrial applications, product can be applied down to -198°C; for applications below -40°C please contact our technical department.
K-FLEX® reserves the right to change data and technical requirements without notice.