NEXUS SEKISUI Thermobreak® 9705

Product Technical Statement: 104280

miproducts

ISO9705 flexible polymeric thermal insulation. Foil vapour barrier, self-adhesive, tube or wrap.
View miproducts listing

Level of assurance needed to demonstrate NZ Building Code Compliance

L
LOW

Supporting documentation should include self-assessment and technical information by manufacturer

L

NEXUS SEKISUI confirms that this minimum level of assurance has been met or exceeded by the following:
NEXUS Foams Ltd
Technical Data

Product Description

Thermobreak® 9705 is a closed cell, physically crosslinked foam insulation, with factory applied reinforced foil vapour barrier face.

Thermobreak® 9705 is tested and classified (CSIRO COA#1874) in accordance with ISO 9705 Full Scale Room Fire Test, and provides a means of compliance with relevant fire property requirements of the Building Code of New Zealand and the Building Code of Australia.

Manufactured in preformed pipe, wrap or sheet, Thermobreak 9705 is suitable for use as a duct & pipe insulation, underslab, raised floor, wall and roof, and tank insulation, in HVAC & Refrigeration sectors.

Design Guidelines

Thermobreak™ is supported by an experienced line of professionals as well as an extensive support system to assist you in its specification and use.

Our dedicated ThermaCalc® computer selection program enables the specifiers and users to swiftly select the most suitable thickness based on the design climatic conditions of the region.

Environmental

Green Star Compliant (VOC)

CFC & HCFC free

Anti-microbial (ASTM G21)

Fibre Free (does not emit fibres during cutting, installation or servicing)

Acoustic Dampening

Manufactured in Australia under ISO 9001 Quality and ISO 14001 Environmental compliant standards

Quality Assurance

ISO 9001 (Quality Management)

Member of New Zealand Green Building Council

Videos

Thermobreak ISO9705



Company Contact Details

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Technical Statement

Scope

Thermobreak® 9705 is a closed cell, physically crosslinked foam insulation, with factory applied reinforced foil. Thermobreak® 9705 is tested and classified (CSIRO COA#1874) in accordance with ISO 9705 Full Scale Room Fire Test, and provides a means of compliance with relevant fire property requirements of the Building Code of Australia and the Building Code of New Zealand.

Thermobreak® 9705 has been specifically developed for use in areas of high requirements in fire standard compliancy; specifically in ducting and tubing applications. For other applications, see the full suite of Thermobreak products for suitability.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- not available

Notes

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

FIRE & SMOKE CLASSIFICATION

ISO 9705 (25mm):

- Group 2 S Classification (NZBC)
- Group 2 Classification (BCA)

AS1530.3(1999)

- Spread of Flame Index: 0
- Heat Evolved Index: 0
- Ignitability Index: 0
- Smoke Developed Index: 0-1

BS 476 Parts 6&7: Class O

FM approval.

Documents & certification available upon request.

Durability: Expected Service Life of Thermobreak

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

NEXUS Foams Ltd
Technical Data

Special Conditions

Installation requirements

As part of a system, ISO9705 compliant Thermobreak must have all material joins finished and installed with a similarly compliant foil tape or seal.

Date last validated: **28 August 2019**

Date last updated: **28 August 2019**

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