



October 2015

Supafil® CarbonPlus

For double brick masonry cavities

Description

Supafil CarbonPlus is especially designed for installation into existing double brick masonry cavities. Supafil CarbonPlus is an unbonded, non-combustible glass mineral wool product which requires no mixing on site.

Application

Supafil CarbonPlus is specifically designed to be used in existing masonry cavity walls with a minimum cavity width of 40mm.

Certification

CodeMark certification for Supafil CarbonPlus approves the application and installation procedure for this product. The product is for use in existing masonry cavity walls, subject to the conditions detailed in CodeMark certificate 30057.

Performance

Thermal Conductivity (AS/NZS 4859.1)

- R-1.3 @ 50mm, 25kg/m³

CodeMark

- Certification 30057

Technical Data

Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Hazard Properties (AS/NZS 1530.3)

- Ignitability: 0, Spread of flame: 0, Heat Evolved: 0, Smoke Developed: 0-1.

Combustibility (AS 1530.1)

- Non-combustible

Vapour Resistivity

- Negligible resistance to the passage of water vapour; 5.00 MN.s.g.m.



Supafil® CarbonPlus

Specification Compliance

AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Bio-solubility

The formulation used for Supafil CarbonPlus has been independently assessed to meet the requirements of the stringent Note Q standard (and is therefore consistent with the highest Australian standards), and also assessed by Knauf Insulation against the criteria of the Australian Safety and Compensation Council ASCC Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 3rd Edition]. As a result of this assessment, Supafil insulation is not classified as hazardous according to the NOHSC criteria.

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustic properties reduces sound transmission.

Durability

- Supafil CarbonPlus is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Convenient Packaging, Easier Handling

- Supafil CarbonPlus is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground and should not be left permanently exposed to the elements.

Superior Service and Support

- Knauf Insulation is totally focused on providing first class customer service, producing high quality product and 'on time in full' deliveries.
- Knauf Insulation supports a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

Environmental

Supafil CarbonPlus is manufactured using recycled glass, and is compression packed to reduce vehicle movements and fuel related CO² emissions. Supafil CarbonPlus, has Zero Ozone Depletion Potential and Zero Global Warming Potential.

Moisture Resistance

Tests by the British Board of Agrément confirm that Supafil CarbonPlus will not transmit water to the inner leaf. Nor will it transmit moisture by capillary action across the cavity or from below damp proof course level.

This has been confirmed by independent research conducted for the Energy Saving Trust (UK), which shows that cavity wall insulation does not add to the risk of water penetration.

Specification Guide

The cavity wall insulation shall be Supafil CarbonPlus 0.038 W/mK, 25kg/m³, CodeMark certified to meet the provisions of the BCA. The product will be non-combustible, CFC/HCFC free, zero ODP and GWP, silicone treated glasswool insulation with high post-consumer recycled glass content. It will be manufactured under Quality Assurance Standards ISO 9001:2008 and ISO 14001:2004 by Knauf Insulation and shall be installed in accordance with the instructions issued by them.

Supafil® CarbonPlus

Product	Weight per bale (kg)	Installed density (kg/m ³)	Thermal conductivity (W/mK)
Supafil CarbonPlus	15.5	25	0.039

Cavity width (mm)	Declared thermal resistance (m ² K/W) (R-Value)	Minimum bag usage rate (bags per 100m ²)
50	1.3	8.0



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