



# CAVITY WALL Insulation

A division of



ENERGY EFFICIENCY GROUP

## Specification Guide

The cavity wall insulation shall be Supafil® CarbonPlus, 0.039 W/mK, 25kg/m<sup>3</sup>, CodeMark™ certified to meet the provisions of the Australian Building Code. 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 is 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.

### Specification Compliance

- AS/NZS 4859.1.
- Non-combustible (AS 1530.1).
- CodeMark certification.
- Declare certified.

### Durability

- Silicone treated for extra moisture protection.
- Non-combustible, non-corrosive.
- Will not rot, mildew or deteriorate.
- Will not sustain vermin.
- Will not settle .
- Consistent, reliable performance.
- Performs for the lifetime of the building.

### Noise reduction

Improves sound transmission class (STC) by between 4 and 10 points.

### Energy conservation

Reduces fuel usage and utility bills or heating and air conditioning.

### Thermal performance

The stated thermal resistance (R-Value) is provided by installing the required density at the thickness (per the manufacturer's instructions).

Supafil® CarbonPlus is designed to be installed at a minimum density of 25kg/m<sup>3</sup> and will achieve a thermal conductivity of 0.039W/mK. When installed at various thicknesses Supafil® CarbonPlus will contribute to the thermal requirements for masonry cavity walls and of the Australian Building Code.

Supafil®CarbonPlus when installed at the target density and at 50mm thick will contribute R1.3 to the wall system. In standard masonry walls with an overall thickness of 230mm the wall will achieve an estimated R1.9 total system value.

Supafil® CarbonPlus is not designed for mixing with other products, adhesives or binder systems as these may affect the thermal performance and is not recommended by the manufacturer.

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## Specification Guide (cont.)

### Australia National Construction Code Series (NCC 2016) Building Code of Australia (BCA)

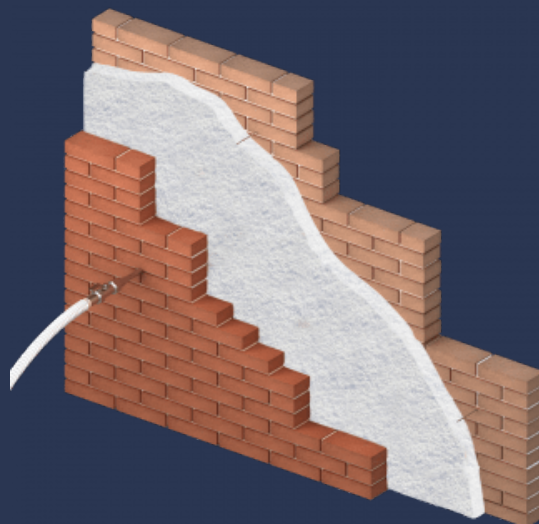
- CP1/CP2/CP4 and P2.3.1 – Fire Resistance.
- FP1.4 / P2.2 and FP 1.5 / 2.2.3 - Weatherproofing and Dampness.
- FP5.5 / FP5.3 and P2.4.6 – Sound Insulation.
- GP2.1 and P2.3.3 – Heating Appliances.
- JP1 and P2.6.1 – Energy Efficiency.
- Supafil® CarbonPlus thermal resistance has been determined by AS/NZS 4859.1. and will contribute to meeting these requirements.

Installed density (kg/m <sup>3</sup> )	Thermal conductivity (W/mK)	Cavity width (mm)	Minimum bag usage rate (bags per 100m <sup>2</sup> )
25	0.039	50	8.0
25	0.039	75	12.0
25	0.039	100	16.0

### Engineered Blow-In insulation system

Supafil® CarbonPlus fills all gaps and voids around service penetrations such as water pipes and electric wiring and any other obstructions or unusual design details, ensuring thermal and acoustic performance is created.

Supafil® CarbonPlus allows quicker and more efficient filling of wide cavities where multiple layers of conventional insulation would normally be installed. Supafil® CarbonPlus saves installation time by minimising the steps needed to fully insulate tight corners and hard to reach areas.



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## Compliance & Certifications

Quality Assurance Standards ISO 9001:2008 and ISO 14001:2004 by Knauf Insulation.  
Supafil® CarbonPlus thermal resistance has been determined by AS/NZS 4859.1



CAVITYWALL insulation uses Supafil® CarbonPlus, 0.039 W/mK, 25kg/m<sup>3</sup>, CodeMark™ certified to meet the provisions of the Australian Building Code.



CAVITYWALL Insulation installers are accredited and trained for Supafil® CarbonPlus blow-in Glasswool.



Supafil® CarbonPlus blow-in Glasswool is officially certified for eurofins GOLD for high in-door air quality and comfort.



Supafil® CarbonPlus blow-in Glasswool manufactured in Europe meets EUCEB independent certification standards.



CAVITYWALL is a proud partner of the Australian Housing Industry Association.



Supafil® CarbonPlus blow-in Glasswool is Declare certified for superior environmental credentials.



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BY THE



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- Datasheets
- Product Performance Assessment
- Warranty and technical information
- Installation guides
- Videos and more...

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AND QUOTE**

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