



February 2016

## Supafil® CarbonPlus Cavity Wall Insulation

For hard-to-treat masonry cavity walls and filling residual cavities in existing partially filled masonry cavity walls

### Description

Supafil® CarbonPlus Cavity Wall Insulation is especially designed for installation into existing buildings with hard-to-treat cavity walls, and filling residual cavities in existing partially filled masonry cavity walls. Supafil® CarbonPlus Cavity Wall Insulation is an unbonded, non-combustible glass mineral wool product which requires no mixing on site.

### Certification

British Board of Agrément (BBA) Certificate for Supafil® CarbonPlus Cavity Wall Insulation 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 BBA Certificate 13/4969.

### Standards

Supafil® 34 Cavity Wall Insulation is manufactured in accordance with BS EN 14064, ISO 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

### Performance

#### Thermal

Supafil® CarbonPlus Cavity Wall Insulation has a thermal conductivity of 0.034W/mK declared to lambda 90/90.

#### Fire

Supafil® CarbonPlus Cavity Wall Insulation is classified as Euroclass A1 to BS EN 13501-1.

### Benefits

- Suitable for 40mm cavities
- Tried and tested Supafil technology
- Lambda 90/90 compliant
- EN14064 compliant
- Rigorously tested by the BBA
- Nationwide network of approved installers
- Low environmental impact
- Installation not restricted by temperature

## Supafil® CarbonPlus

### Application

Supafil® CarbonPlus Cavity Wall Insulation is specifically designed to be used in existing masonry cavity walls which are deemed hard-to-treat, and filling residual cavities in existing partially filled masonry cavity walls, a minimum cavity width of 40mm is required for both applications.

### Environmental

Supafil® CarbonPlus Cavity Wall Insulation is manufactured using recycled glass, and is compression packed to reduce vehicle movements and fuel related CO<sub>2</sub> emissions. Supafil® CarbonPlus Cavity Wall Insulation has an A+ Generic BRE Green Guide rating, has Zero Ozone Depletion Potential and Zero Global Warming Potential.

### Moisture resistance

Tests by the British Board of Agrément confirm that Supafil® CarbonPlus Cavity Wall Insulation 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, which shows that cavity wall insulation does not add to the risk of water penetration.

### Vapour resistivity

Supafil® CarbonPlus Cavity Wall Insulation offers negligible resistance to the passage of water vapour and has a water vapour resistivity of 5.00 MN.s.g.m.

### Handling and storage

Supafil® CarbonPlus Cavity Wall Insulation 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.

Product	Weight per bale (kg)	Installed density (kg/m <sup>3</sup> )	Thermal conductivity (W/mK)
Supafil® CarbonPlus	15.50	min. 25	0.034

All dimensions are nominal.

Cavity width (mm)	Declared thermal resistance (m <sup>2</sup> K/W)	Minimum bag usage rate (bags per 100m <sup>2</sup> )
40	1.15	6.45

The usage rate is based on an installed density of 25.00kg/m<sup>3</sup>

### Knauf Insulation Ltd

PO Box 10  
Stafford Road  
St Helens  
Merseyside  
WA10 3NS

### Customer Service (sales)

Tel: 0844 800 0135

### Technical Support Team

Tel: 01744 766 666

### Literature

Tel: 08700 668 660

For more information please visit  
[www.knaufinsulation.co.uk](http://www.knaufinsulation.co.uk)