

## SUPAFIL® CARBONPLUS

July 2021



### APPLICATIONS



### DESCRIPTION

Supafil® CarbonPlus is a Glass Mineral Blowing Wool, designed for use in narrow (40mm-50mm) external masonry cavity walls. It is non-combustible with the best possible Euroclass A1 reaction to fire classification.

### PERFORMANCE

#### Thermal

Thermal conductivity: 0.034 W/mK

#### Fire

Classification: Euroclass A1 to BS EN 13501-1

#### Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m

### BENEFITS

- ✓ Installed by approved technicians who bring product to site meaning no storage is required on-site before installation, and no waste is left on-site post-installation.
- ✓ Water repellent and BBA certified for use in all exposure zones, including those in very severe areas.
- ✓ Awarded the DECLARE 'Red List Free' label. Allows product transparency disclosure that identifies where a product comes from, what it is made of, and where it goes at the end of its life.

### SPECIFICATIONS

Typical U-values (W/m<sup>2</sup>K) for masonry cavity walls insulated with Supafil® 40

Product	Weight per bale (kg)	Installed density (kg/m <sup>3</sup> )	Thermal conductivity (W/mK)	Product code
Supafil® CarbonPlus	15.50	25	0.034	409307

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>

### CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



## SUPAFIL® CARBONPLUS

July 2021

### ADDITIONAL INFORMATION

#### Certification

The application and installation procedure for Supafil® CarbonPlus is covered by British Board of Agrément Certificate 13/4969.

This product complies with the relevant sections of the:

- Building Regulations (England and Wales)
- Building Standards (Scotland)
- Building Regulations (Northern Ireland)

The BBA Certificate covers the use of Supafil® CarbonPlus in masonry cavity walls with a minimum 40mm cavity width and up to 12m in height, as detailed within the BBA certificate and may be installed up to 25m subject to a satisfactory inspection of the wall construction and installation approval by Knauf Insulation. Supafil® CarbonPlus can be installed in any exposure zone.

#### Standards

Supafil® CarbonPlus is manufactured in accordance with BS EN 14064, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by TÜV Nord. All our Glass Mineral Wool products have been awarded the DECLARE 'Red List Free' label. Having the 'Red List Free' label means that there are no ingredients in the product that are on the red list - including formaldehyde or phenol.

#### Application

Supafil® CarbonPlus is 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 is manufactured using recycled glass, and is compression packed to reduce vehicle movements and fuel related CO<sub>2</sub> emissions. Supafil® CarbonPlus has an A+ Generic BRE Green Guide rating, contains no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

#### 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.

#### Handling and storage

Supafil® CarbonPlus is supplied in polythene packs (4-LDPE) 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.

#### Knauf Insulation Ltd

PO Box 10, Stafford Road, St.Helens,  
Merseyside, WA10 3NS. UK

Customer Service: 01744 766 766

Technical Support Team: 01744 766 666

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatsoever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out.

KINE1421DAT-V0721

challenge.  
create.  
care.