

SUPAFIL® 40

September 2021



APPLICATIONS



DESCRIPTION

Supafil® 40 is a full-fill Glass Mineral Blowing Wool system, designed for use in external masonry cavity walls, offering excellent thermal performance. It is non-combustible with the best possible Euroclass A1 reaction to fire classification.

PERFORMANCE

Thermal

Thermal conductivity: 0.040 W/mK

Fire

Classification: Euroclass A1 to BS EN 13501-1

Vapour resistivity

Water vapour resistivity: 5.00 MNs/g.m

BENEFITS

- ✓ Water repellent and BBA certified for use in all exposure zones, including those in very severe areas.
- ✓ 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.
- ✓ 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

Product	Weight per bale (kg)	Installed density (kg/m ³)	Product code
Supafil® 40	17.60	18	2409790

All dimensions are nominal

Typical U-values (W/m²K) for masonry cavity walls insulated with Supafil® 40 Cavity Wall Insulation

Brick outer leaf/cavity/100mm block inner leaf type:

Thickness (mm)	Dense block (λ = 1.13)	Medium density block (λ = 0.51)	Lightweight block (λ = 0.34)	Standard aircrete (λ = 0.16)	Lightweight aircrete (λ = 0.11)
100	0.33	0.32	0.31	0.28	0.27
85	0.37	0.36	0.35	0.32	0.30
75	0.41	0.39	0.38	0.35	0.32
65	0.46	0.44	0.42	0.38	0.35
50	0.55	0.52	0.5	0.44	0.41

All dimensions are nominal

For cavity widths wider than 150mm contact our Technical Support Team

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Certification

The application and installation procedure for Supafil® 40 is covered by British Board of Agrément Certificate 88/2033.

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® 40 in masonry cavity walls with a minimum 50mm 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® 40 can be installed in any exposure zone.

Application

Supafil® 40 Cavity Wall Insulation is designed to be used in new and existing masonry cavity walls with a minimum cavity width of 50mm. Supafil® 40 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.

Environmental

Supafil® 40 has an A+ Generic BRE Green Guide rating. Supafil® 40 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® 40 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® 40 Cavity Wall Insulation 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

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Technical Support Team: 01744 766 666

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