

## SUPAFIL® 34

September 2021



### APPLICATIONS



### DESCRIPTION

Supafil® 34 is a full-fill Glass Mineral Blowing Wool system, designed for use in external masonry cavity walls, offering the best thermal performance in the range. 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

- ✓ 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 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/m³)	Product code
Supafil® 34	15.50	25	2441358

All dimensions are nominal

### TYPICAL U-VALUES FOR NEW BUILD CONSTRUCTION

#### BLOW-IN (INJECTED) USING SUPAFIL® 34

Cavity width thickness (mm)	Minimum bag usage rate <sup>1</sup> (bags per 100m²)	U-value (W/m²K)			
		Medium block (0.45 W/mK)	High strength aircrete (0.19 W/mK)	Standard aircrete (0.15 W/mK)	Lightweight aircrete (0.11 W/mK)
150	24.19	0.20	0.19	0.18	0.18
125	20.16	0.23	0.22	0.21	0.20
100	16.13	0.28	0.26	0.25	0.24

Note: The U-values have been calculated assuming that all walls are lined with 12.5mm standard plasterboard on dabs on standard blocks with 10mm mortar joints. Wall ties assumed to be stainless steel at 2.5 per m² with a cross-sectional area of no more than 12.5mm² for structural cavities up to 100mm wide. For cavities greater than 100mm up to 150mm, the cross sectional area of wall ties is assumed to be 24mm². For cavities above 150mm, the cross sectional area of wall ties is assumed to be 60mm². Air gap correction level is zero.

<sup>1</sup>Minimum installed density of 25kg/m³. Material weight per pack/bale = 15.5kg

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® 34 is covered by British Board of Agrément Certificate 11/4857.

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® 34 in external masonry cavity walls. Supafil® 34 can be installed in any exposure zone subject to the requirements of the certification being met.

#### Standards

Supafil® 34 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® 34 has an A+ Generic BRE Green Guide rating. Supafil® 34 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® 34 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® 34 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. Supafil® 34 Cavity Wall Insulation should not be left permanently exposed to the elements.

#### Knauf Insulation Ltd

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