



January 2015

## Supafil® 34 Cavity Wall Insulation

### For masonry cavity walls

#### Description

Supafil® 34 Cavity Wall Insulation is an unbonded, non-combustible glass mineral wool insulation which requires no mixing on site.

#### Certification

The application and installation procedure for Supafil® 34 Cavity Wall Insulation 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 Cavity Wall Insulation in masonry cavity walls with a minimum 90 mm 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 34 can be installed in any exposure zone.

#### Performance

##### Thermal

Supafil® 34 Cavity Wall Insulation has a thermal conductivity of 0.034W/mK when tested to BS EN 14064 (Lambda 90/90)

##### Fire

Supafil® 34 Cavity Wall Insulation is classified as Euroclass A1 to BS EN 13501-1

#### Benefits

- Thermal conductivity to Lambda 90/90
- Tried and tested Supafil technology
- Rigorously tested by the BBA
- Nationwide network of approved installers
- Low environmental impact
- 25 year guarantee
- Can be installed in any weather



Move Forward with Confidence



## Supafil® 34

### 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.

### Environmental

Supafil® 34 Cavity Wall Insulation has an A+ Generic BRE Green Guide rating. Supafil 34 Cavity Wall Insulation represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

### Moisture resistance

Tests by the British Board of Agrément confirm that Supafil® 34 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® 34 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® 34 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. Supafil 34 Cavity Wall Insulation 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 34	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> )
90	2.60	14.52
100	2.90	16.13
125	3.65	20.16
150	4.40	24.19

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

### Knauf Insulation Ltd

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