



February 2016

## Supafil® 40 Cavity Wall Insulation

For new and existing masonry cavity walls.

### Description

Supafil® 40 Cavity Wall Insulation is especially designed for installation into new and existing buildings with cavity walls. Supafil® 40 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® 40 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 88/2033.

### Application

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

### Environmental

Supafil® 40 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® 40 Cavity Wall Insulation has an A+ Generic BRE Green Guide rating, has Zero Ozone Depletion Potential and Zero Global Warming Potential.

## Performance

### Thermal

Supafil® 40 Cavity Wall Insulation has a thermal conductivity of 0.040W/mK declared to lambda 90/90.

### Fire

Supafil® 40 Cavity Wall Insulation is classified as Euroclass A1 to BS EN 13501-1.

## Benefits

- Suitable for min 50mm 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® 40

### Moisture resistance

Tests by the British Board of Agrément confirm that Supafil® 40 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® 40 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® 40 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.

### Construction Products Regulation

The Construction Products Regulation (CPR), supersedes the Construction Products Directive (CPD) as the main legal instrument affecting the European construction industry, and imposes a legal obligation for manufacturers to provide proof of their products "fitness for purpose" which we achieve by affixing a CE Mark to all relevant products. For products manufactured from the July 1st 2013 the DoP reference will be found on the product label, packaging or invoice. To access the DoP for Supafil® 40 simply copy this URL and paste it into your web browser; [www.dopki.com/B0709GP](http://www.dopki.com/B0709GP)

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

Insulation thickness (mm)	Brick outer leaf/cavity/100mm block inner leaf type:				
	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	0.50	0.44	0.41

All dimensions are nominal

\*All U-values calculated with 12.50mm plasterboard (0.210W/mK) on dabs as the internal finish.

### 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)