

- Home
- Site Map
- Earthwool
- ECOSE® Technology
- Contact Us
- Products**
- ⊕ Glass Mineral Wool Rolls
 - ⊕ Glass Mineral Wool Slabs
 - Cavity Barriers
 - Supafil Cavity Wall Insulation**
 - R-Fill
 - Perimeter Plus
 - Pipe Insulation
 - ⊕ Rock Mineral Wool Slabs
 - ⊕ RocksilK Mattresses
 - Icerock Ductwrap
 - ⊕ Polyfoam XPS
 - ⊕ Fire Protection
 - Knauf Breatheline
 - Space Insulation - DIY Loft In
 - ⊕ Floorfoam
 - Where to buy insulation?
 - Brown Insulation
- Packaging
- Pallet Collection and Re-use
- Solutions
- Design
- Press Releases
- About
- Literature Downloads
- Case Studies
- Videos
- Insulation News
- Insulate your home
- Builders' Merchants Awards for
- Great British Refurb - Manches
- Events
- Play SupaKube Crazy
- SelfBuildInsulation.com

[Knauf Insulation](#) » [Products](#) » [Supafil Cavity Wall Insulation](#)

★ [Bookmark](#)

[Print Friendly](#) [Open PDF](#) [e-Mail PDF](#)

Supafil Cavity Wall Insulation

Blown glass mineral wool cavity wall insulation - For Specialist Contractors only.

A tailor-made product designed to meet individual customer requirements, Supafil is a premium quality, non-combustible, glass mineral wool insulation designed to be blown into existing cavity walls.



Homeowners

If you are considering getting cavity wall insulation, why not visit Thinkinsulation.com where you can find out more about the benefits of cavity wall insulation, and how to go about getting it installed.



Description

Supafil Cavity Wall Insulation is a loose, shot free, non-combustible glass mineral wool insulation which requires no mixing on site.

Agreement Certificates

The BBA certificate for Supafil Cavity Wall Insulation approves the product specification, application and installation procedure for this product. This product complies with the relevant sections of the:



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

The certificate covers use in masonry cavity walls with a minimum 50mm cavity width, up to 25m in height, in any exposure zone.

For further technical details please contact our Technical Advisory Centre on 01744 766666.

For sales information, please contact our Customer Service Team on 0844 8000135

Fire Performance

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

Moisture Resistance

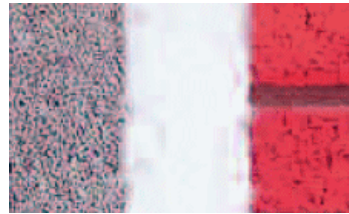
Tests by the British Board of Agrément confirm that Supafil Cavity Wall Insulation will not transmit water to the inner leaf. Nor will they transmit moisture by capillary action across the cavity or from below DPC level. This has been confirmed by independent research conducted for the Energy Saving Trust, which shows that cavity wall insulation does not add to the risk of water penetration.

Vapour Resistivity

Supafil offers negligible resistance to the passage of water vapour and has a vapour resistivity of 7.00 MN.s.g.m.

Environmental Performance

Supafil Cavity Wall Insulation conserves energy and therefore assists in reducing demand for fuels for the heating and air-conditioning of buildings. As a result, they reduce the emissions of the major greenhouse gas, CO₂. The energy and CO₂ emissions saved by the products in use vastly outweigh those generated in their manufacture.



Performance

Thermal Performance

Supafil 40 Cavity Wall Insulation has a thermal conductivity of 0.040 W/mK.

Supafil Green 37 Cavity Wall Insulation has a thermal conductivity of 0.037 W/mK.

Fire Performance

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

Benefits

- British Board of Agreement Approved
- Suitable for new-build or retrofit
- Quick and clean to install
- Installed by Approved contractors
- Low Cost
- Injected after wall constructed, allowing empty cavity to be checked before installation

Downloads

- [Product Datasheet](#)
- [COSSH Material Safety Datasheet](#)
- [BBA Certificate 88/2033](#)

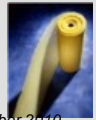
Website Options

Links To Other Country Sites

Search

Latest News

ECO DAY COULD INSPIRE INSULATION INSTALLATIONS



03 September 2010

A Formyb eco-day might inspire visitors to install insulation and improve their carbon footprint.

[← Previous](#) [Next →](#)



Related Applications

International

- www.knaufinsulation.com
- www.knauf.com
- www.knauf.co.uk

Supafil's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.

Handling and Storage

The packaging of Knauf Insulation Supafil Cavity Wall Insulation is designed for short term protection only.

For longer term protection on site the products should either be stored indoors, or under cover and off the ground.

Product Data

	Weight per bale (kg)	Installed density (kg/m ³)	Thermal conductivity (W/mK)
Supafil 40	17.6	18	0.040
Supafil Green 37	17.6	18	0.037

All dimensions are nominal

Supafil 37 Thermal Performance

Typical U-values (W/m²K) for masonry cavity walls insulated with Supafil 37 Cavity Wall Insulation

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

Insulation 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	0.30	0.29	0.29	0.27	0.25
85	0.35	0.34	0.33	0.30	0.28
75	0.38	0.37	0.36	0.33	0.31
65	0.43	0.41	0.40	0.36	0.34

Supafil 40 Thermal Performance

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:

Insulation 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	0.50	0.44	0.41

All dimensions are nominal