

Superwhite 40 - Cavity Wall

May 2016



Description

Superglass Superwhite 40 is a high performance, non-combustible glass mineral wool blown cavity wall insulation. The product is British Board of Agrément (BBA) certified and Cavity Insulation Guarantee Agency (CIGA) approved. Superwhite 40 has a 25 year guarantee and is inspected under the BBA Surveillance Scheme for cavity wall insulation.

Application

Superglass Superwhite 40 is designed specifically to provide thermal insulation for retro-fit/existing masonry cavity walls with a minimum cavity width of 50mm and up to 12m in height. It may be installed in buildings of 12m – 25m in height subject to a satisfactory inspection of the wall construction and installation approval by Superglass Insulation.

Superglass Superwhite 40 is BBA approved for all UK exposure zones (subject to conditions detailed in the BBA Certificate and NHBC Standards).

Installation

Superglass Superwhite 40 is installed quickly and easily, using existing machinery by a nationwide network of Superglass and BBA approved installers.



Thermal Insulation

Superwhite 40 has a thermal conductivity of 0.040W/mK.



Recycled Content

Superwhite 40 is manufactured from up to 84% recycled glass bottles.



BRE Green Guide Rating

Superwhite 40 has a Generic BRE Green Guide Rating of A+.



Fire Performance

Superwhite 40 has a fire classification of A1 non-combustible.

[teamworks]

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Superglass

Superwhite 40

33 packs per pallet.

For an installed density of 18kg/m³ the following coverage should be obtained per bale.

Cavity Width (mm)										
50	55	60	65	70	75	80	90	100	125	
Coverage (m ² /bale**)										
18.40	16.80	15.40	14.20	13.20	12.30	11.50	10.20	9.20	7.40	

** Coverage calculation rounded to nearest 0.1m²/bale.

Example cavity wall U values ⁽¹⁾ - existing buildings/retained walls		
Cavity width/insulation thickness (mm)	U values (W·m ⁻² ·K ⁻¹)	
	13 mm dense plaster ⁽²⁾ 100 mm dense block ⁽³⁾	Plasterboard on dabs 100 mm AAC block ⁽⁴⁾
50	0.60	0.42
75	0.44	0.33
100	0.34	0.27
125	0.28	0.23

For further details please refer to BBA Certificate No: 14/5086 Product Sheet 1 or contact the Superglass Technical Department.

Thermal Performance

Superwhite 40 has a thermal conductivity of 0.040W/mK when tested to BS EN 14064-1: 2010 (Lambda 90/90).

Fire Performance

Superglass products are classified as Euroclass A1 to BS EN 13501-1. Superglass products being non-combustible will not contribute towards a fire load.

Environment

Superglass products have zero Ozone Depletion Potential (ODP) and zero Global Warming Potential (GWP). The products are also CFC and HCFC free.

Recycled Content

Superglass products are manufactured from up to 84% recycled glass bottles which would otherwise go to landfill.

Quality

Superglass products are manufactured in accordance with BSI Quality Assurance Standard BS EN ISO 9001:2008.

Standards

Superwhite 40 is manufactured in accordance with BS EN 14064-1: 2010 for In-situ formed loose-fill mineral wool products and BS EN 13172: 2012 for Factory made mineral wool products.

Durability

Superglass products are non-hygroscopic, will not rot, degrade or sustain vermin and will not encourage the growth of mould, bacteria or fungi.

Moisture Resistance

Tests by the BBA confirm that Superwhite 40 will not transmit water to the inner leaf. Please refer to the BBA Certificate for more information.

Vapour Resistance

Superglass products offer negligible vapour resistance allowing vapour to pass freely through the insulation.

Handling & Storage

Superwhite 40 is supplied compression packed in polythene to provide short term protection only. For long term protection, the product must be stored indoors or under a waterproof covering in order to protect from weather damage. The products should not be left permanently exposed to the elements.

Certification

CE Marked to BS EN 14064-1: 2010.

A copy of the Superwhite 40 Declaration of Performance (DoP) ref: DOP0021 can be downloaded from the Superglass website.

Guarantee

Superwhite 40 has a 25 year guarantee and is inspected under the BBA Surveillance Scheme for cavity wall insulation.

Associated Products

Superwhite 34

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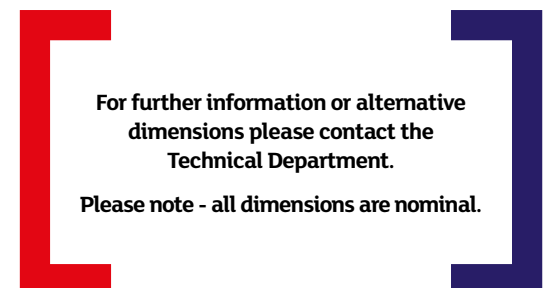
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