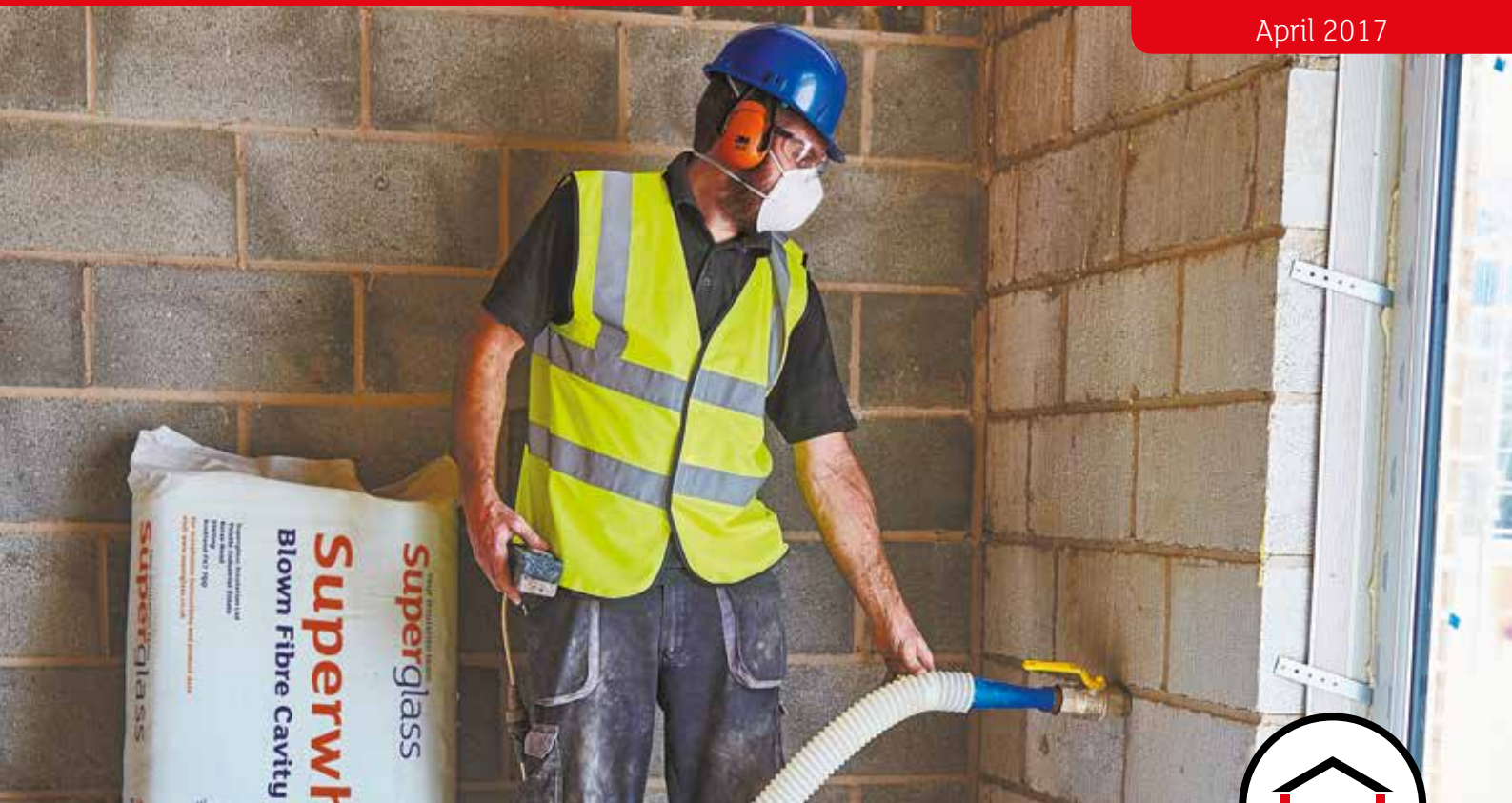


Superwhite 34 - Cavity Wall

April 2017



Description

Superglass Superwhite 34 is a high performance, non-combustible and British Board of Agrément (BBA) approved glass mineral wool blown cavity wall insulation. Superwhite 34 has a 25 year guarantee and is inspected under the BBA Surveillance Scheme for cavity wall insulation.

Application

Superglass Superwhite 34 is designed to provide thermal insulation for new-build masonry cavity walls with a minimum cavity width of 90mm and up to 12m in height. It can 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 34 is BBA approved for all UK exposure zones (subject to conditions detailed in the BBA Certificate and NHBC Standards) and can also be installed in masonry party/separating walls as detailed within the Robust Details Handbook.

Installation

Superglass Superwhite 34 is installed after the walls are built, from inside the building. It's installed quickly and easily in any weather using existing machinery by a national network of Superglass and BBA approved installers.



Thermal Insulation

Superwhite 34 has a thermal conductivity of 0.034W/mK.



Recycled Content

Superwhite 34 is manufactured from up to 84% recycled glass bottles.



BRE Green Guide Rating

Superwhite 34 has a Generic BRE Green Guide Rating of A+.



Fire Performance

Superwhite 34 has a fire classification of A1 non-combustible.

[teamworks]

www.superglass.co.uk



bim Available on bimstore.co.uk

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Superwhite 34

33 packs per pallet.

For an installed density of 25kg/m³ the following coverage should be obtained per bale.

Cavity Width (mm)									
90	100	110	115	125	135	145	150	155	165
Coverage (m ² /bale**)									
7.30	6.60	6.00	5.80	5.30	4.90	4.60	4.40	4.30	4.00

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

Thermal Performance

Superwhite 34 has a thermal conductivity of 0.034W/mK when tested to BS EN 14064-1: 2010 (Lambda 90/90). 0.034W/mK is the best thermal conductivity available in the UK for a blown glass mineral wool cavity wall insulation product.

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 9001:2012.

Standards

Superwhite 34 is manufactured in accordance with BS EN 14064-1: 2010 for In-situ formed loose-fill mineral wool products and BS EN 13172: 2015 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.

Example cavity wall U-Values - New Buildings

102.5mm Brick/Cavity/100mm Dense Blocks (1.13W/mK)/13mm Plaster						
Cavity Width/Insulation Thickness (mm)						
100	110	115	120	135	150	165
U-Value (W/m ² K)						
0.30	0.27	0.26	0.25	0.23	0.21	0.19

102.5mm Brick/Cavity/100mm Aircrete Blocks (0.11W/mK)/Plasterboard on dabs						
Cavity Width/Insulation Thickness (mm)						
90	95	100	105	120	125	150
U-Value (W/m ² K)						
0.26	0.25	0.24	0.23	0.21	0.20	0.18

For further details please refer to BBA Certificate No: 14/5086 Product Sheet 2 or contact the Superglass Technical Department.

Moisture Resistance

Tests by the BBA confirm that Superwhite 34 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 34 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.

Building Information Modelling (BIM)

BIM objects for this product can be downloaded from www.bimstore.co.uk or www.superglass.co.uk

Certification

CE Marked to BS EN 14064-1: 2010.

A copy of the Superwhite 34 Declaration of Performance (DoP) ref: DOP0020 can be downloaded from the Superglass website.

Guarantee

Superwhite 34 has a 25 year guarantee and is inspected under the BBA Surveillance Scheme for cavity wall insulation.

Associated Products

Superwhite 40

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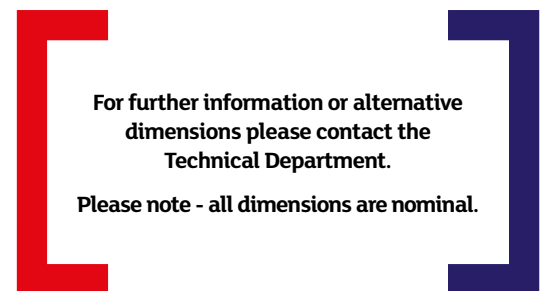
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