

Superglass Superwall Cavity Wall Batts Installation Guide - Full-Fill

May 2016



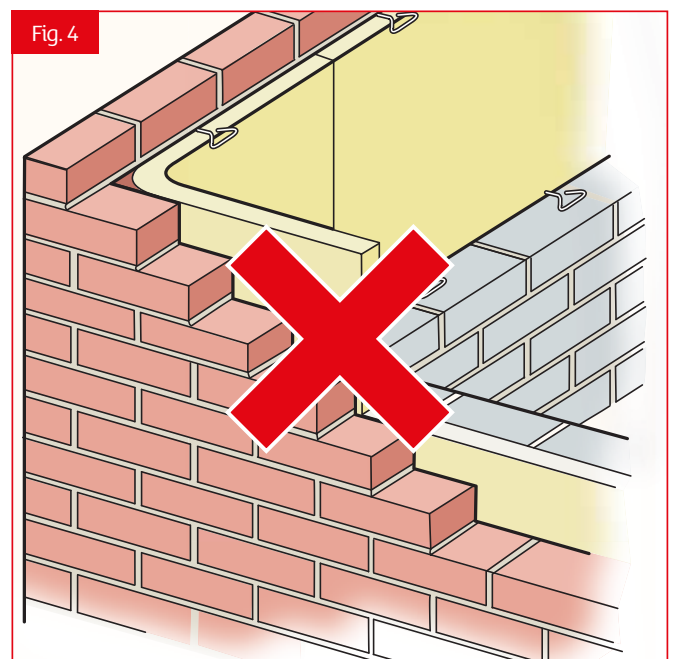
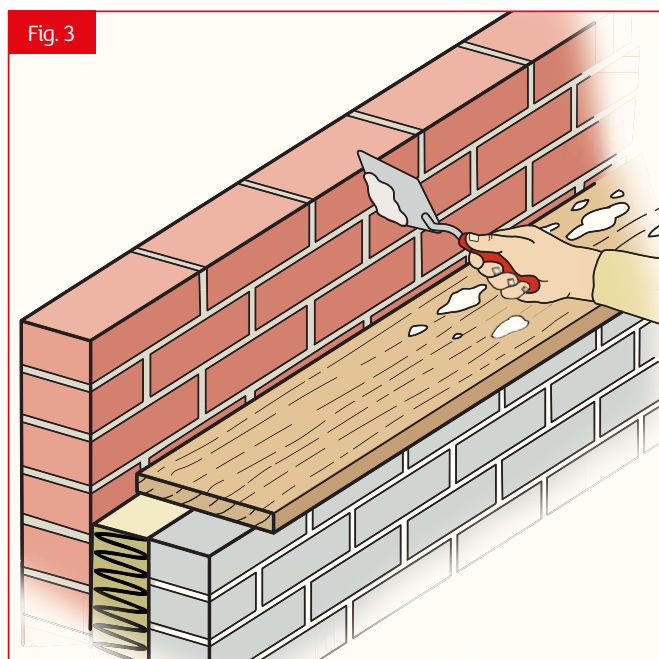
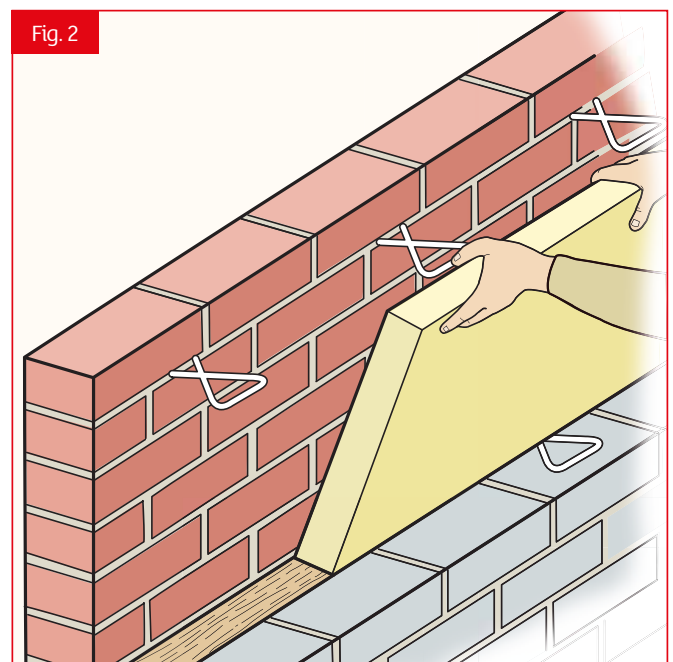
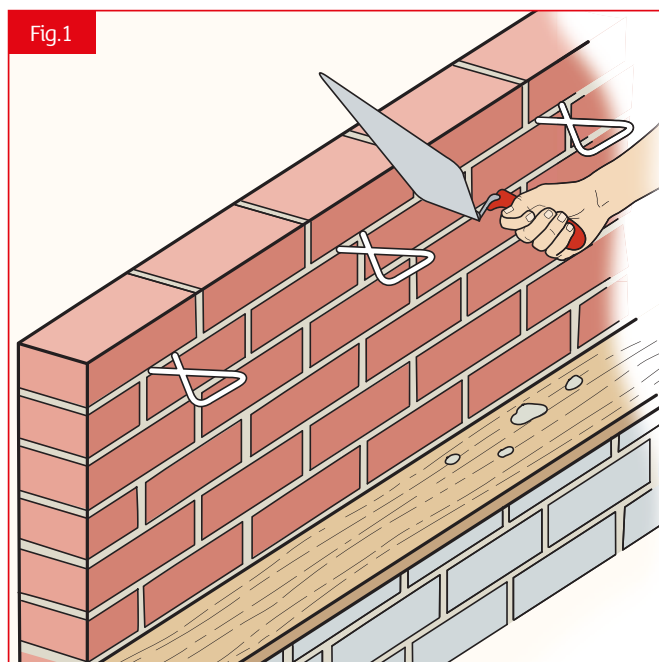
Installation Procedure - Full-Fill

The following instructions are a summary of the guidance given in the British Board of Agrément (BBA), Certification No: 89/2231. In the event of any query, please do not hesitate to contact the Superglass Technical Department on **0844 3814022** or email **technical@superglass.co.uk**

All masonry cavity walls should be built in accordance with the following requirements where appropriate:

- BS EN 1996-1-1 : 2005, BS EN 1996-1-2 : 2005, BS EN 1996-2 : 2006 and BS EN 1996-3 : 2006.
- PD 6697:2010.
- BS 8000-3 : 2001 and BS 8000-0:2014.

The walls should also be built to comply with current Building Regulations and NHBC requirements.



Installation Procedure - Full-Fill

Step-by-step

- 1 Build up the first stage of leading leaf to include the first row of wall ties. Clean off any mortar snot from protruding into the cavity and from any wall ties of cavity trays (See Fig. 1).
- 2 Position the Superwall Cavity Batt against the masonry, so that the wall ties drips are halfway across the top of the batts (See Fig. 2). If necessary, cut the insulation to course. The batt should be taken below DPC level (minimum of 150mm) to provide edge insulation.
- 3 Build up the second leaf to the top of the batts. Wall ties must slope away slightly from the internal leaf towards the external leaf.
- 4 Proceed similarly with successive stages of the wall. As with normal masonry cavity construction, no mortar should remain in the cavity. Care should be taken to keep batt joints closely butted and free from mortar. It is recommended that a cavity protection board is used to keep the top edges of the batts clean (See Fig 3).
- 5 It is recommended that at corners, the batts should be closely butted to avoid cold bridges. Ideally, the uncut edge of the batt should be used for this purpose or an edge straight cut with a sharp knife. Folding around the corners is not recommended.
- 6 Building may proceed leading with either the inner or outer leaf (we recommend the outer leaf). When leading with inner leaf it is recommended to build a trough not more than one brick deep at horizontal joints in the batts. The mortar joint should be struck flush inside the cavity and any mortar droppings must be cleaned off before the next batt is fitted.

Problems to avoid

- 1 Do not bend round corners as this creates air pockets within the cavity (See Fig 4).
- 2 Batts must not be pushed down into a completed cavity
- 3 Do not pierce or tear the batts with the wall ties.
- 4 Do not position the batts on top of batts which have not been cleaned of mortar droppings.





External Masonry Cavity Wall

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.

Quality

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

Standards

Superglass products are manufactured in accordance with BS EN 13162:2012 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.

Vapour Resistance

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

Moisture Resistance

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

Handling & Storage

Superglass products are easy to handle, cut and install. The products are 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 13162:2012.

A copy of the Superwall Declaration of Performances (DoP) can be downloaded from the Superglass website.

Superwall is BBA certified for all UK exposure zones. See certificate number 89/2231 for more details.

Superwall Products

Superwall 32

Superwall 34

Superwall 36

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**For further information
please contact the
Technical Department.**

Your insulation team
Superglass