

SUPABEAD

INTELLIGENTLY DESIGNED, EXPERTLY INSTALLED
Injected Full-Fill Cavity Wall Insulation System



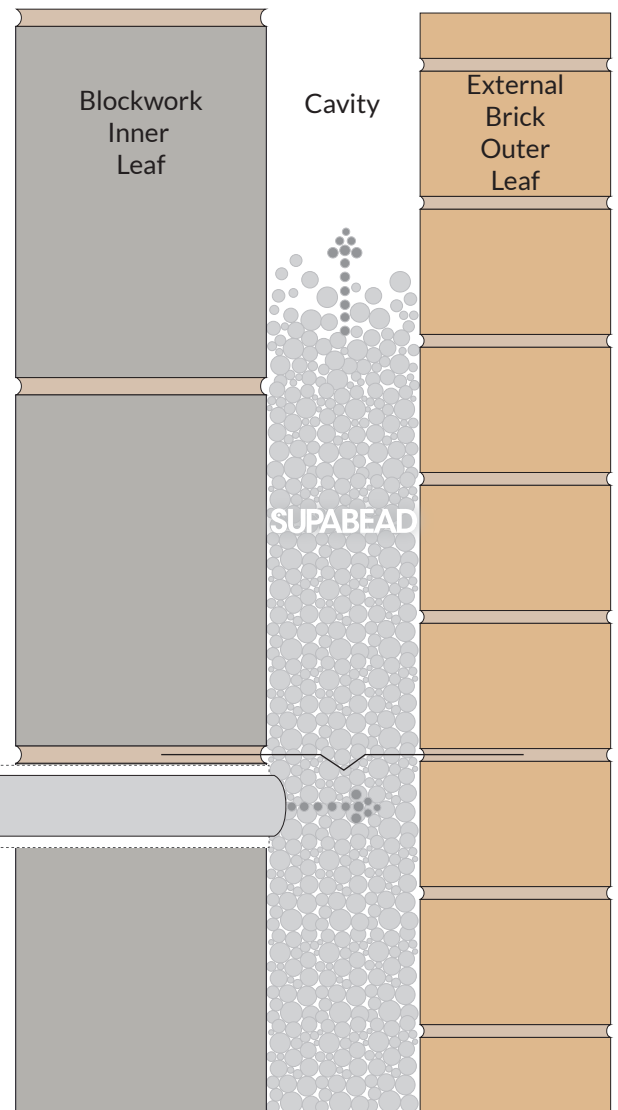
FULL-FILL INSULATION, CONSISTENT INSTALLED DENSITY

SupaBead is the next generation of cavity wall insulation, ideal for both new build and existing buildings. SupaBead is a high performance, graphite-based injected blown EPS insulation system that offers a cost effective full-fill insulation solution to cavity walls.

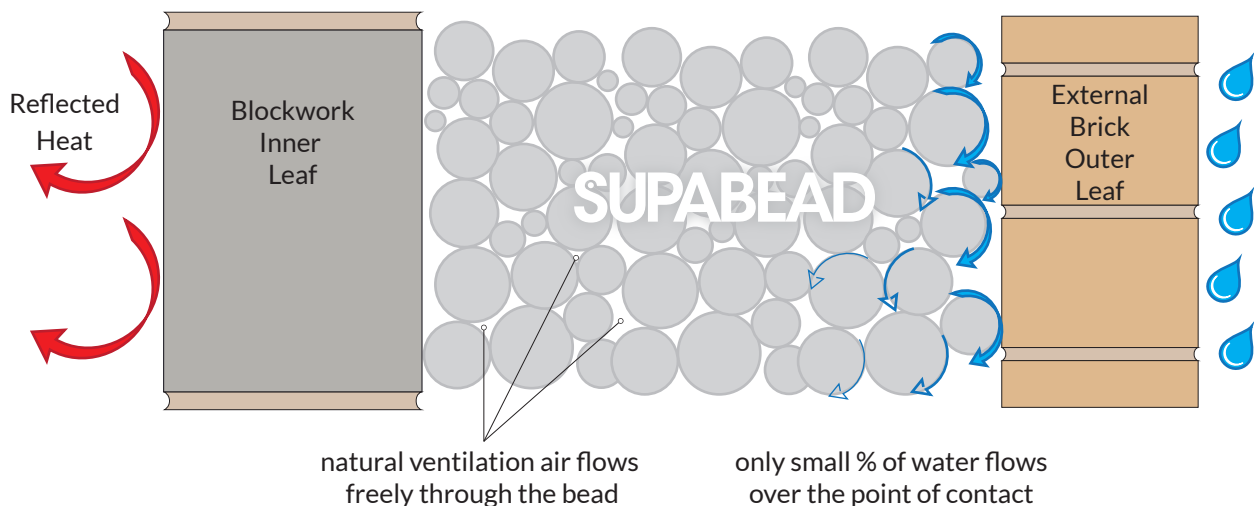
The system allows cavity walls to be constructed without any interruption to the brick laying process, speeding up the build programme. Once watertight, SupaBead can then be injected at any subsequent stage, up to the drylining/plaster stage. Savings are further enhanced with no requirement to store materials on site, and with zero waste you only pay for the material installed.

SupaBead is injected into the wall with a specially designed adhesive and is bonded together forming a breathable mass within the cavity. The exceptional way SupaBead flows, coupled with its lightness, enables the bead to follow the contours of the cavity construction precisely, producing a comprehensive fill with a factory determined uniform density. When the adhesive dries, tiny pockets of air are created in the insulant around the spherical beads, allowing the cavity to breathe and any moisture that penetrates the external wall to percolate down and drain away.

The beads are injected under pressure through the wall



CAVITY DRAINAGE AND VENTILATION



Durability & Sustainability

SupaBead will remain an effective insulant for the life of the building. The insulation will not absorb water, deteriorate or settle. It is a chemical, non-toxic, inert product and is a non-irritant. SupaBead is resistant to attack from bacteria, moulds and fungi. SupaBead has Zero ODP, Zero GWP and is CFC-, HFC- and HCFC-free. In addition, with no on-site waste, SupaBead is the ideal environmental choice.

SupaBead Technical and Thermal Properties

Thermal conductivity 0.033 W/m/k
Density 13kg/m³ + or - 2kg/m³
Flame retardant to BS EN 13501-1:2007
Fire Performance - when used in a masonry cavity wall it will not prejudice the fire-resistant properties of the wall and can be classed as Euroclass B.

Installation

All installations are carried out by approved technicians. Starting with a sequence of 22mm holes that are drilled on either the inside (new build) or outside (retro-fit) leaf of the cavity construction. SupaBead and the bonding agent are combined and injected into the cavity under pressure. When the target pressure is reached, the system closes, giving a guaranteed installed density. This process is carried out on every injection point from the lowest to the highest until the cavity is full. A direct benefit of using SupaBead comes from its speed of install, consequently 3 average-sized detached houses could be fully insulated with minimum disruption, no waste, with one vehicle, in one day.

BBA Certification

SuperBead is approved by the BBA under certificate no. 18/5538 and is manufactured under BS EN 13163 2012-A2 2016.

Performance & Cost

SupaBead is up to 50% cheaper when compared to other solutions whilst still achieving the U Value you require making it an ideal cost-effective solution for both modern day construction and retro-fit cavities.

Typical U Values achieved with SupaBead

Brick outer leaf, 100mm AAC Block inner leaf with plaster board on dabs:

100mm cavity 0.25 W/m²k
125mm cavity 0.21 W/m²k
150mm cavity 0.18 W/m²k

For further information or guidance on U Values please contact our Technical team on 0114 240 4338 or info@supabead.com.

Warranty

As the system designer, manufacturer and installer we are able to offer the industry's first full 10-year warranty for both the product and installation to new build housing.



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