

BrickShield®

What is BrickShield®?

Ideal for both new build applications and for upgrading the thermal performance and appearance of old solid wall homes, BrickShield combines high-performance Rockwool thermal insulation with an lbstock brick finish in a single system.

Insulation boards are simply bonded and then mechanically fixed to the exterior face of the wall using BrickShield Adhesive Mortar and BrickShield Insulating Wall Anchors. The wall is then finished with lbstock BrickShield Natural Clay Brick Slips site bonded with BrickShield Adhesive Mortar. Once set, the wall is pointed with BrickShield Brickpoint.

The installation process is quick and involves minimal disruption for the residents who can remain in their homes throughout the work. Full contractor training and support is available throughout the project. With 'U' values attainable in excess of 0.25 Wm²k as well as a 60 year brick slip durability warranty, BrickShield is the perfect upgrading solution.

For a perfect match virtually any brick within the lbstock range can be used. In addition, a range of traditional decorative dentil details, quoins and arches are available for use with the BrickShield system to help capture the character of the original architecture.

After years of rigorous testing into key areas such as thermal performance, strength and durability; BrickShield has become the first system of its type to receive accreditation from the BBA.



Where can BrickShield® be used?

In the UK there are approximately 7 million dwellings; typically built before 1930 or of 'system build' from the 1950s and 60s which have solid walls. These usually have little insulation and the walls may be in poor condition. BrickShield® has been developed for the renovation and thermal insulation of existing buildings, both domestic and commercial, but can also be used for newbuild.



Project: Refurbishment, Middlewich, Cheshire
Client: Dane Plus Housing Association
Products: Brickshield® Brunswick Farmhouse Mixture

BrickShield® Installation - at a glance...

Step 1



Fix starter channel. Capping trims are also available.

Step 2



Rockwool® Façade Ultra coated with BrickShield® Adhesive Mortar is then applied to sound, dry and smooth masonry.

Step 3



Fix with BrickShield® Insulating Wall Anchors for ultimate durability.



Why use BrickShield®?

UK manufactured:

- Excellent value with cost certainty from currency fluctuations.
- Minimal delivery mileage.
- Excellent delivery and on site technical support.

Creates a natural brick finish:

- Available in a range of standard and premium real clay brick slips to suit virtually any location.
- Maintains local vernacular.
- Traditions Range - Now available in Victorian detailing.

Good for the environment:

- Locally produced to minimise CO₂.
- Made from abundant natural materials for example clay and pumice.
- Manufactured to ISO 14001, the environmental standard.
- Both organisations have invested over £100m in the past 5 years in energy reduction initiatives.

Exterior applied insulation to simply upgrade solid walls:

- Quick and easy to install.
- Minimal disruption to the homeowner or tenant.
- Weatherproofs the wall, protecting failing and porous brickwork and masonry.
- Breathable to prevent interstitial condensation.
- Enhances acoustic insulation from exterior noise.

High thermal efficiency:

- Improves U values up to 0.25 W/m²K or better.
- Eliminates cold bridges.
- Allows for the ideal positioning of thermal mass on the warm side of the structure.
- Assists in achieving a higher energy rating for an Energy Performance Certificate (EPC) for the building.

Long life performance and unmatched durability:

- Minimal maintenance brick finish.
- 60 year brick slip durability warranty.
- Proven technology.
- High impact resistance.
- Non-combustible.

Quality you can trust:

- Manufactured by the market leaders in clay facing bricks and stonewool insulation; Ibstock and Rockwool.
- Free technical and onsite support.
- Installed by approved BrickShield® installers who are subject to regular re-certification.
- Patent pending.
- BBA approved.

Step 4



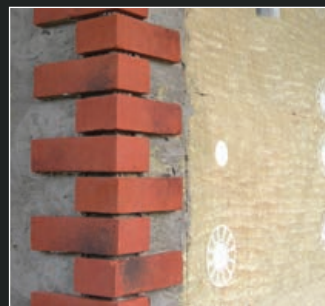
BrickShield® Adhesive Mortar is then applied to the surface of the Rockwool® Façade Ultra. BrickShield® Natural Clay Brick Slips are laid onto the adhesive mortar, keeping to line and level for an even appearance.

Step 5



BrickShield® Spacers can be used temporarily until the mortar sets.

Step 6



BrickShield® Special-shaped Clay Brick Slips are available for corners and reveals.

Step 7



The joints between the slips are finished with BrickShield® BrickPoint for a beautiful brick finish.

Step 8



Reveal trims and extended sills are fitted as required.