

BrickShield[®]

Improving insulation in buildings with solid walls



The **only** external wall insulation
system with a real brick finish
to achieve BBA accreditation



What is BrickShield®?

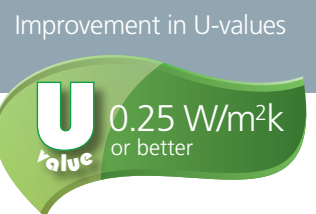
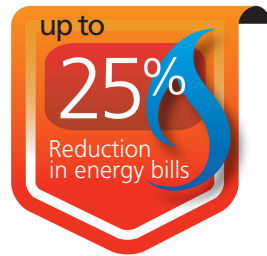
BrickShield® is an external wall insulation system that uses a highly durable and unique Rockwool® Insulation board and real brick slips. Available in almost any brick finish, BrickShield® allows a building to be thermally upgraded whilst remaining in keeping with the existing streetscape.

There are an estimated 7 million homes in the UK that are of solid wall construction. Although many are thermally inefficient, they still provide attractive living environments for many people. Approximately 40% of all energy can be lost through poorly insulated walls. BrickShield® externally

upgrades the building, with minimal disruption to the inhabitants and extending the useful life of the building. Using BrickShield® can eliminate cold bridges and improve a buildings thermal performance of external walls to give 'U' values up to 0.25 W/m²k and better.

Ideal for upgrading the thermal efficiency of buildings with solid walls

- Creates a natural brick finish which can assist with planning
- Environmentally friendly as manufactured in the UK from sustainable materials
- High thermal efficiency, reducing heat loss and energy bills
- Weatherproofs walls protecting porous brickwork and masonry
- Provides a breathable finish, helping to prevent condensation
- Applied to the exterior of the building, meaning minimal disruption to the occupier
- Quick and easy upgrade to insulate solid walls
- Long life performance and unmatched durability
- Enhances acoustic performance of wall reducing exterior noise
- The only external wall insulation system A1 fire rated and non-combustible.



BrickShield® - at a glance...

<p>Step 1</p>	<p>Step 2</p>	<p>Step 3</p>	<p>Step 4</p>	<p>Step 5</p>	<p>Step 6</p>	<p>Step 7</p>	<p>Step 8</p>
<p>Fix base profile. Capping trims are also available.</p>	<p>Rockwool® Façade Ultra coated with BrickShield® Adhesive Mortar is then applied to sound, dry and smooth masonry.</p>	<p>Fix with BrickShield® Insulating Wall Anchors for ultimate durability.</p>	<p>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.</p>	<p>BrickShield® Spacers can be used temporarily until the mortar sets.</p>	<p>BrickShield® Special-shaped Clay Brick Slips are available for corners and reveals.</p>	<p>The joints between the slips are finished with BrickShield® BrickPoint for a beautiful brick finish.</p>	<p>Reveal trims and extended sills are fitted as required.</p>

BrickShield® Product Range

Standard Range

Our standard range includes carefully selected real clay slips that have all the beauty, durability and protection of a brick but in an easy to use tile format just 20mm thick. The decorative face of the brick slip has been designed to match the standard brick size of 65mm high x 215mm long.



RAVENHEAD RED SMOOTH | 3501



RAVENHEAD RED RUSTIC | 3502



BRACKEN BROWN RUSTIC | 3505



HEARTED RED RUSTIC | 3516



OLDCOTT RUSTIC | 3532



TRAFFORD MULTI RUSTIC | 3576



ROUGHDALES RED MULTI RUSTIC | 3579



SMOOTH VILLAGE MIXTURE | 3536

Premier Range

The Premier BrickShield® range allows you to select almost any Ibstock Brick cut down to a thickness of 20mm. The decorative face of the brick is designed to meet the standard brick size of 65mm high x 215mm long.



DORSET MULTI RED STOCK | 4941



PARHAM RED STOCK | 0708



SEVENOAKS YELLOW STOCK | 0730



IVANHOE CREAM | 0054



MELTON ANTIQUE BLEND | 0578



ROYSTON SILVER GREY | 0516



HIMLEY EBONY BLACK | 0354



ATLAS SMOOTH BLUE | 2249

Choose a finish and colour from a large range of products



Designer Range

Our designer range is a selection of the highest quality brick slips. Available in heights of 35mm, 65mm and 71mm and lengths up to 400mm, these beautiful slips can be used to create a stunning finish.



DESIGNER SMOOTH WHITE



DESIGNER SMOOTH GREY



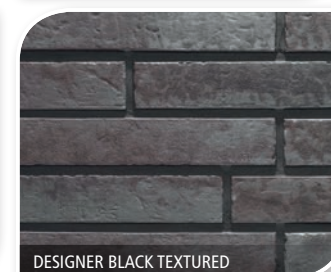
DESIGNER SMOOTH RED PURPLE MULTI



DESIGNER SMOOTH METALLIC BLACK



DESIGNER SMOOTH BLACK



DESIGNER BLACK TEXTURED



DESIGNER CREAM TEXTURED



WITHOUT BRICKSHIELD

WITH BRICKSHIELD

Traditions Range

Traditions is a range of BrickShield® components which create an elegant finish to any BrickShield project. This includes arches, special bricks and stone products.

Traditions Brick Components

Arches - Flat, segmental & semi circular



Arches are pre-fabricated on SS mesh.



Victoriana Profiles



Traditions Stone Components

Heads & Sills



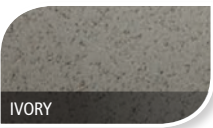
Quoins



String Courses



Colour Options



BrickShield® Projects

The versatility of the BrickShield® system makes it an ideal upgrading solution for solid walls in different building types and styles.

It is specified for a range of reasons, from its high proven thermal performance, to speed of installation and the ability it offers to create a durable and maintenance free authentic brick finish to match any architectural style or period.

Hawksley Bungalows, Ellesmere Port



This group of 104 Hawksley-type prefabricated metal-clad bungalows were in need of thermal upgrading and refurbishment to meet modern housing standards.

BrickShield® was chosen by client, Plus Dane Housing Association, to provide the thermal upgrade needed whilst minimising disruption to elderly residents. They also preferred the durability and appearance of an authentic brick finish.

The project proved so successful that an extra 7 properties were completed within the original budget, and the first phase of 41 homes completed in just 16 weeks.

Dee Cottages, Flint



The terrace of 36 historic workers houses were of the local architectural style of the late 19th century, and formed an important part of Flintshire County Council's Townscape Heritage initiative.

When upgrading became necessary to ensure sustainable management and modern standards of performance, Flintshire County Council chose BrickShield® for its durability, cost

- effectiveness and the opportunity it presented to restore and enhance the original polychrome decorative elements, an important part of the area's unique industrial character.

Kitfield Avenue, Middlewich, Cheshire



Kitfield Avenue comprises a mix of privately owned homes and social housing. When Plus Dane Housing Association were faced with upgrading the old solid walls of their stock to complement other recent thermal improvements they needed an authentic brick finish, so as not to disturb the visual balance of the street.

BrickShield® was chosen for its outstanding performance, increasing the previous 2.02 W/m²K external wall U-value to an impressive 0.33 W/m²K, and winning the project the title of 'Best Refurbishment and Renovation Project' in the prestigious 2012 Brick Awards.

"The designers have cleverly utilised a system for its thermal qualities, displaying an insight into innovative ways to improve our built fabric whilst keeping the aesthetic beauty of the material". Judges Report.

Blacon Towers, Chester



The refurbishment of three 1960's 13-storey residential blocks in Chester's Blacon District is part of a major regeneration scheme for the area.

To minimise disruption to tenants, client Chester and District Housing Association, used high performance external wall insulation systems to upgrade the thermal performance of the old No-Fines concrete walls, with the help of funding from British Gas.

Whilst upper storeys feature a rendered finish, BrickShield® was specified for the lower two storeys to meet target U-values and provide

a durable brick grounding and improved aesthetic to match the surrounding residential vernacular.

Ibstock provided design and technical support for the project, including toolbox talks emphasising the bricklaying principles and techniques associated with the brick cladding.

As a result of the upgrade, external wall U-values have improved from 2.4 to 0.35 W/m²K.

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More information about BrickShield®:

Full details about BrickShield®, the system and its installation as well as full technical details and case studies are available online to view and download.

Please visit www.BrickShield.com or search BrickShield in your browser.

