INSTALL GUIDE
BRICK SLIPS

EWIPRO®
External wall insulation system

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01. SURFACE PREPARATION

As with every other job, preparation is extremely important. Before applying any insulation to the substrate, it needs to be examined and checked.

Before applying any render to the substrate, it needs to be checked. All damage to the substrate from frost, salt or corrosion must be repaired. Damaged bricks or blocks must be replaced, and any holes or insufficiently-filled joints repaired. One of the best ways to achieve a clean and ready surface is to use a high-pressure water jet or prepare the wall mechanically with a wire brush.

It is recommended that one coat of EWI-360 Fungicidal Wash is applied to the entire surface by roller and allowed to dry. All organic growth must be removed by a stiff bristle brush. The Fungicidal Wash takes 24 hours to kill all microorganisms on the substrate. The wash can be applied using either a brush, sponge or cloth. A 5L tub will cover 20-30m2, depending upon the absorptivity of the substrate.

Materials Required:

EWI-360 Fungicidal Wash

02. APPLYING A PARGE COAT

If the existing surface is very uneven, then a coat of EWI-225 Premium Basecoat should be applied to the uneven surface area to level it. EWI-66640 Fibreglass Mesh should be embedded into this adhesive, and the strips should overlap by 10cm. Each roll of fibreglass mesh is 50m long by 1m wide. The Premium Adhesive must be allowed to dry for at least 24 hours before any further work is carried out.

Before application on painted walls, a preliminary coat of EWI-225 Premium Basecoat should be applied to the whole of the painted substrate. EWI-66640 Fibreglass Mesh should be embedded within the adhesive and 4 mechanical fixings per square metre should be applied. The Premium Adhesive must be allowed to dry for at least 24 hours before the application of the EWI-090 Monocouche Scratch Render.

Materials Required:

EWI-225 Premium Basecoat
EWI-66640 Fibreglass Mesh

03. SURFACE PRIMING

Once the substrate has been prepared, it will need to be primed before the Monocouche Render can be applied.

We recommend priming the substrate with EWI-301, which is a deep-penetrating water-based primer. It works in a similar manner to PVA primer, by helping to seal porous surfaces prior to carrying out any works.

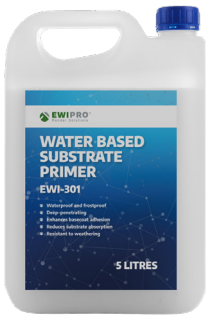
If the substrate requires increased adhesion (for example on very smooth or painted surfaces) then we recommend using the EWI-310 Universal Primer. This contains silicate, which provides a mechanical key to aid adhesion of the insulation boards.

The amount of priming (and therefore volume of primer required) will depend upon how absorptive the underlying substrate is. Typically, this can be anywhere from 50-300ml per m2.
Both EWI-301 and EWI-310 can be applied by brush or roller.

The primers will take approximately 4 hours to dry. However, additional coats may be required depending upon the absorptivity of the substrate. 24 hours should be left between primer coats.

Materials Required:

EWI-301 Water-Based Substrate Primer (5L)
EWI-310 Universal Primer (20kg)



04. APPLYING THE ADHESIVE

Using a notched trowel (4mm), spread our specially designed Brick Slip Adhesive to an area of approximately 1m².

We recommend sticking strictly to the area coverage suggested as Brick Slip Adhesive is a fast-drying product, therefore it is essential to work quickly, accurately, and in smaller areas.

Materials Required:

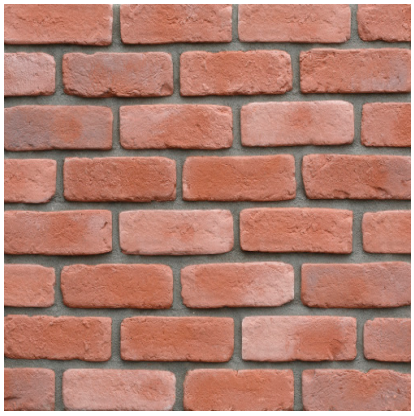
EWI-234 Brick Slip Adhesive

05. APPLYING THE BRICK SLIPS

The base layer of adhesive should be approximately 2-3mm thick which is then used to embed the Brick Slips fully.

We also recommend covering the back of the Brick Slips with adhesive to ensure total adhesion across the whole area of the product. If you have any reservations about the coverage, remove one of the Brick Slips and examine the coverage on the back of it. If there are any gaps, use more adhesive to fill them in.

The Brick Slips are fixed to the wall in a staggered formation, much like traditional brickwork, with a 10mm gap between vertical and horizontal bricks.



06. SPACING AND CORNERS

Setting out the gap of 10mm between Brick Slips is crucial and can be achieved with a 10mm UPVC edge profile. Utilising this ensures that the finished facade looks consistent.

The Flexibricks name suggests precisely the benefit of Brick Slips. They can be shaped and bent around corners with minimal fuss. They can also be cut with a pair of scissors which reinforces their ease of use.

07. GROUTING

Once the Brick Slips are all installed, a fine brush can be used to 'grout' the slip joints; ideally, wet the brush slightly and brush the grout to smooth it out.

We also offer specialised Brick Slips Grout in various colours, designed to be applied to the slip joints. The range of colours allows you to choose the final finish.

Materials Required:

EWI-238 Brick Slip Grout

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