

Technical Information

Brick Slip Adhesive



Product Description

Field of Application:

Ready-to-use mortar, suitable for laying and pointing of Permarock Brick Slips on reinforcement layers of Permarock External Wall Insulation Systems, Permarock Exterior Render Systems and PermaRend Exterior Render Systems, as well as onto suitable interior surfaces.

Properties:

- Non-combustible, A2-s1,d0
- High initial adhesion
- Ready for use
- Water vapour permeable
- Easy to apply, smooth and easy processing
- Extremely low tension, highly ductile
- Vehicle: Terpolymer of vinyl acetate / ethylene / methacrylic acid ester

Suitable substrates:

- Reinforcement layers composed of:
Permarock Bedding Mortar, Permarend Bedding Mortar, Permarock FGB Premium, Permarock Cement-Free Basecoat.
- New cement-based mortars and renders
- Concrete
- Sound existing mineral renders / plasters or paint coatings
- Interior: Gypsum plasterboard and rendering / plastering (groups PIV & V)

Colours:

- Cement Grey, Sand White, Dark Grey (Anthracite)

Storage:

Cool, but frost-free. Keep out of direct sunlight.

Shelf Life:

Approx. 12 months

Product Code:

BRI /080

Pack Size:

25kg bucket

Technical Data:	
Fire Behaviour:	A2-s1,d0 (EN 13501-1) *
Density:	Approx. 1.74g / cm ³
Diffusion-equivalent air layer thickness s_d H ₂ O:	s_d : < 14 m, class V2 (medium) as per DIN EN ISO 7783
Coefficient of water absorption:	$w \leq 0.5$ kg/(m ² h0.5), class W2 (medium) as per DIN EN 1062
Consistency:	Paste-like
* when tested / assessed as part of the Permarock Mineral Fibre external wall insulation system	

Application

Protect the scaffold with tarpaulins to avoid precipitation during the drying phase. To avoid minor colour differences, use material from the same batch or mix material from different batches to achieve a single uniform shade.

Preparation of Substrates:

Substrates must be even, clean, dry, adherent, sound, and free from all materials that may prevent good adhesion. Cementitious base coats must be fully dry, cured and primed with Permarock K&R Primer.

Clean, weathered cement-free base coats require priming with Permarock K&R Primer, unweathered cement-free base coats do not require priming.

Preparation of Material:

Permarock Brick Slip Adhesive is ready to use. Stir up well with a low-speed electric stirrer. Adjust viscosity with a small amount of tap water if necessary.

Method of Application:

Permarock Brick Slips are available in different formats and design. Accordingly, different installation specifications are given and must be respected. Refer to the Technical Datasheet for Permarock Brick Slips.

Laying and Jointing:

- Prior to the application of brick slips, refer to the drawings to confirm the brick bond pattern required. Take note of any requirements for any brick soldier courses (e.g. at the base of the wall or at window sills or heads, etc.) or any other non-standard brick features.
- Before commencing the application of tiles, the area onto which the tiles are to be applied should be divided up evenly with continuous height and/or width marks (setting out with chalk lines) appropriate to the brick bond format required. Generally, existing fixed lines, such as window heads or door lintels should be used as the starting point for the setting out.
- Consideration should be given to the incorporation of soldier courses of brick

slips at the base of the wall and at the undersides of window sills to assist with maintaining coursing.

- Ensure that the brick tiles (facings and corners) are warm and pliable. Tiles which have been stored at low temperature are less flexible and susceptible to breaking or cracking during installation.
- Commence application of the brick slips working down the wall, starting at an appropriate level such as the corner of a window opening, etc.
- Permarock Adhesive Mortar BRI/080 should be thoroughly stirred in the container before use.
- Apply Permarock Adhesive Mortar BRI/080 at a rate of ca. 3.0 kg/m² onto the dry, primed (if required) reinforcement layer in bands within the settingout marks and immediately comb the adhesive horizontally using the special serrated trowel. Do not comb vertically. The amount of adhesive mortar applied should be no more than can be immediately covered with brick tiles within the "open time" of the mortar.
- At external corners the additional adhesive should be applied to ensure that air pockets are not trapped behind the tiles during installation.
- The brick tiles shall be pressed into the adhesive mortar and pushed / floated into place before the mortar has begun to film over. Avoid the formation of air pockets / cavities behind the brick tiles: The tiles must be fully bedded onto the adhesive without voids. Ensure that the brick tiles are 'randomized' by mixing up the different coloured brick tiles in each pack before commencing installation.
- Headers and other part-tiles can be cut using the special angled brick tile cutting shears.

- For soldier or sailor courses the Brick Facings shall be applied vertically, aligned along the bottom or top edge, depending on location.
- The joint spacing between the Brick Facings shall be approximately 10 mm dependent upon the configuration of the elevation. Spacing can be adjusted, as necessary, to achieve an even appearance for each course or row of brick tiles.
- The joints shall be smoothed using a dry, or slightly damp 10 mm flat brush and the adhesive worked into the edges of the brick tiles to ensure that the Brick Facings are completely sealed with mortar for the full perimeter of each brick tile. Do not use a wet brush - this will result in liquid adhesive washing onto the brick faces.
- After drying briefly, the area should be brushed down to remove any loose mortar residue. Checks should be made on the brick tile perimeters, and additional adhesive applied, as necessary, to ensure that the edges are fully sealed.
- Allow the adhesive to harden before commencing application of Brick Slip Pointing Mortar.
- Permarock Brick Slip Pointing Mortar, in the selected colour, is applied using a brick pointing trowel to fill the horizontal and vertical joints between the brick tiles.
- The material is a pre-coloured, semi-dry compound which should be pressed firmly into the joint and immediately smoothed using the pointing trowel to achieve a semi-rounded 'bucket handle' joint.

Consumption:

2.5 – 3.0 kg/m² The exact rate of consumption is best established by a trial application on-site.

Working Temperature:

Processing temperature: + 5 °C to + 30°C during application and drying phases for material, substrate and ambient air. Do not apply on sun-heated substrates, during strong wind, fog, high

relative humidity, imminent rain or impending night frost.

Drying / Curing Time:

At 20 °C and 65 % relative humidity: surface-dry after 24 hours and thoroughly hardened after 2 - 3 days.

Lower temperatures and higher relative humidity extend the drying times.

Cleaning of Tools & Equipment:

Immediately after use with water

Advice

Please Note (Status as at Date of Publication)

Keep out of reach of children. On contact with eyes, rinse immediately with plenty of water. Do not empty into drains, water courses or onto the ground.

Contains 1,2-benzisothiazole-3 (2H) -one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Disposal:

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

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