



Permaset

Waterproof Tile Adhesive

Complies with BS5980 Type 1, Class AA

- Interior or exterior use
- Suitable for shower flooring
- Decorative stone cladding adhesive
- Coverage, 4Kg per m² when applied at a constant solid bed depth of 6mm

Colour	Product Code	Pack Size	Box Qty
Grey	FBPERMGY20	20KG	1



Tile Adhesives & Grouts

Permaset

Product Description

FEB PERMASET WATERPROOF TILE ADHESIVE is normal setting (24 hour) thick or thin bed adhesive for bonding ceramic tiles to floors and most walls. Can be used internally and externally and bonds to most building substrates such as concrete, cement screeds and render, timber etc. Conforms to BS5980 as a Type 1 Class AA Adhesive; i.e. the adhesive is fully water resistant and suitable for continuous immersion (e.g. swimming pools).

Typical Uses

For fixing ceramic wall and floor tiles whenever rapid setting is required. Particularly for fixing ceramic floor tiles in areas which have to be opened to foot traffic within three hours of laying at normal temperatures.

Features & Benefits

- Sets hard within 1-2 hours at 20°C.
- Easy to use.
- Excellent grab and adhesion.
- For internal or external use.

Instructions for Use

Preparation of Substrate

Concrete/Screeds/Render/Unskimmed

Plasterboard/Blockwork – Allow fresh concrete etc to dry for at least 4 weeks before tiling. Ensure floors are free from rising damp. Prime surfaces with FEBOND PVA diluted 4 parts water to 1 part FEBOND PVA and allow to dry.

Timber Floors – Suitable for interior floors only. Ensure adequate ventilation beneath floors. Cover wooden floors with moisture resistant exterior grade (marine) plywood, which must be at least 12mm thick. Secure with screws, not nails, at 300mm centres. Prime with FEBOND PVA diluted 3 parts water to 1 part FEBOND PVA and allow to dry. In all cases, this adhesive must be mixed with neat FEBFLOR LATEX LIQUID to give required adhesion and flexibility for tiling on wood. Note. FEBFLOR LATEX LIQUID may retard the set.

Softwood tongue and groove boarding – Boards must be screwed (not nailed) down to joists at 300mm centres and surfaces sealed with FEBOND PVA diluted 3 parts water to 1 part FEBOND PVA and allowed to dry. Adhesive must be mixed to a slump free mortar with neat FEBOND SBR to ensure long term flexibility. Note: this will slightly retard the set.

Existing tiling – Ensure tiles are securely bonded to wall or floor. Roughen surface of glazed tiles with sander. Apply a bonding coat of neat FEBOND PVA. Mix FEB PERMASET WALL & FLOOR TILE ADHESIVE with neat FEBFLOR LATEX LIQUID. Apply mixed adhesive whilst bonding coat is still tacky.

Application

All surfaces should be clean, dry and free of dust and loose material before commencing. Refer to above for specific surface preparation. Always add powder to water. Mix approximately three parts by volume powder to 1 part by volume water or latex liquid (approx. 4 parts powder to 1 part water by weight) and mix to a slump free mortar. Spread adhesive to a depth of 6mm and comb to 3mm to leave a solid bed with 3mm ribs.

Secure tiles with a slight twist action to ensure no voids remain. Tiles should be fixed within 20 min of spreading depending on absorbency of substrate and temperature. Lightly touch the adhesive periodically and if a skin has formed, remove the adhesive and apply a new layer. It is good practice to periodically remove a tile and check that the adhesive covers a minimum of 75% of the tile. **Never** add further water once the adhesive has started to go off. This will destroy the bond strength.

All surplus adhesive must be removed whilst the adhesive is still wet using a dampened cloth or sponge, particularly along the grout lines.

Coverage

Approximately 4kg/m² when applied as directed.

Storage

Store in cool, dry conditions for Portland Cement. Protect from extremes of temperature.

Shelf Life

9 months from manufacture when stored in a sealed container and as recommended.

Performance Data

Specification	BS5980 Type 1 Class AA
Pot Life	2-3 hours
Drying Time	Initial Set: 8-12 hours; Final 48hrs
Cleaning	Clean tools in water after use. Wash hands immediately after using this product.

