

PRODUCT DATA SHEET

Prestige Porcelain Grip & Natural Stone 24 Hour Tile Adhesive



RAPID HARDENING CEMENT-BASED TILE ADHESIVE

DESCRIPTION

Prestige Porcelain Grip & Natural Stone 24 Hour Tile Adhesive is a multi-purpose, standard setting, grey, cement-based adhesive, suited for use in interior and exterior conditions, walls and floors, thin and medium bed applications. This adhesive has been specifically formulated to be used for the fixing of porcelain, ceramic, stone, brick and clay tiles to cement render, screeds, concrete and primed fibre cement surfaces.

USES

- Overlaying of ceramic and porcelain tiles and stone material
- Easy levelling and localised smoothing with rapid curing prior to fixing ceramic and porcelain tiles
- Ideal for residential or commercial conditions
- Interior and exterior applications

CHARACTERISTICS

- Easy to apply
- High-strength
- Suitable for ceramic, porcelain and natural stone tile installations
- Standard setting—trafficable after 24 hours
- High tensile and shear strength

PRODUCT INFORMATION

Chemical Base	Cement, selected fillers and aggregates, modified polymer additives
Packaging	20 kg bags
Appearance	Grey Powder
Shelf Life	6 months from date of production
Storage	Store in dry conditions, on pallets

TECHNICAL INFORMATION

Initial Setting Time	± 10 — 12 hours at 25°C and 50 % humidity
Final Setting Time	± 24 hours at 25°C and 50 % humidity
Open Time	± 20 – 25 minutes at 25°C and 50 % humidity
Pot Life	± 4 — 5 hours at 25°C and 50 % humidity
Temperature Resistance	Up to 90°C
Mix Ratio	20kg / 5L of water or Prestige Bonding Additive
VOC Content	< 20 g/litre of product
Application thickness	3 — 20 mm
Consumption	4 — 10 kg/m ²

INSTALLATION INSTRUCTIONS

Surface preparation

New surfaces are required to cure for the following minimum periods to mitigate the adverse effects of differential shrinkage and movement in the substrate, which could compromise the integrity of the installation:

- New concrete floors require 6 weeks curing time before direct bedding.
- New concrete floors require 4 weeks curing time before screeding and the screeds another 4 weeks before tiling can commence. Screeds prepared with **Prestige Screeding Compound** can be tiled over approximately 48 hours after laying the screed.
- New brick walls require 6 weeks curing time before direct bedding.
- New brick walls require 4 weeks curing time before plastering.

Existing surfaces must be solid, firm and free of dust, mould oil, grease, sealers, wax polish and organic growth. All damaged, defective, deteriorated or hollow sounding areas within the screed or render must be removed down to a solid, clean substrate and made good before tiling. Unsuitable, loose and brittle surfaces can be identified by using a hammer to sound out weak, hollow and unsound material. Organic growth must be removed, and the spores killed with an effective fungicide such as a household bleaching solution.

Painted and Gypsum-plastered surfaces need to be chipped to remove 80% of the paint or Gypsum.

Enamel-painted and bitumen surfaces must be stripped of all coating by scraping and then chipping to expose 80% of the substrate. **Do not use a solvent or heat to remove bitumen from the substrate.**

Existing tiled surfaces must be in good conditions and well bonded to the substrate if they are to be tiled over. Cracked, loose or hollow sounding tiles are to be removed prior to tiling.

Smooth, off-form/shutter or power-floated cement surfaces and existing tile panels must be acid washed to remove laitance and rinsed well with cold, clean water. Once the surface preparation has been completed, these area must be primed with a keying slurry prepared by mixing **Prestige Keying Compound** with **Prestige Keying Additive**. Two parts of **Prestige Keying Compound** are to be mixed with one part of **Prestige Keying Additive** and applied with a builder block brush to a minimum thickness of ± 2mm.

Mixing

Add 20 kg of **Prestige Porcelain Grip & Natural Stone 24 Hour Tile Adhesive** to 5 litres of cold clean water. Mix to a creamy, smooth paste. Mechanical mixing will result in a lump free, easier to use mix. Allow the mix to activate for 5 minutes then remix the product before use. Stir occasionally whilst in use; **do not add more water to the mix.**

For all external, wet or high traffic areas, or in special conditions where significant thermal stresses or temperature changes are expected, and where additional flexibility is required (i.e. for installations on suspended slabs), replace all the water in the mix with **Prestige Bonding Additive**.

For optimal results, use a full bag of adhesive per mix. Do not mix more adhesive that can be used in 2 hours.

Application

The backs of all tiles must be clean and free from all traces of dust and contaminants which could impair adhesion. Apply the adhesive to the surface using a notched floor or wall trowel. Ensure to spread enough adhesive for a minimum bed thickness of 3 mm for wall tiling and 6 mm for floor tiling. Large format, heavily lugged, grooved or dovetailed tiles must be back buttered to fill any voids with adhesive before placing into the wet adhesive bed. This will ensure a solid bed of adhesive behind each tile.

Do not spread more adhesive than can be tiled onto in 10 to 15 min, depending on atmospheric conditions. This will normally not be more than 1 m². This is to ensure that the adhesive does not dry or skin before tiles are applied.

Press tiles firmly into the wet adhesive with a twisting action. Use a rubber mallet to bed large or heavy tiles. Occasionally lift a tile to check that full contact is being made between the tile and the adhesive bed. Remove excess adhesive from joints and tiled surface before drying has occurred. Minimum grouting joints for walls is 2mm and for floors 3mm or as recommended by the tile manufacturer. Do not butt joint tiles.

Grouting

Tiles must be allowed to dry for a minimum of 24 hours before grouting takes place depending on environmental conditions. Ensure that the joints are free from tile adhesive and any other foreign material before grouting. Use **Prestige Standard Grout** for filling tile joints up to 8 mm wide; for joints wider than 8mm and up to 20 mm, use **Prestige Quarry Grout** in accordance with the product specifications.

Movement joints

Tiles should be installed providing for adequate movement joints. Movement joints in floor panels should be installed in both directions at a maximum of 5 metre centres internally and on surface beds, and 3 metre centres externally and on suspended slabs. Movement joints on wall tiling should be in both directions at a maximum of 3 metre centres internally and externally.

Movement joints should also be made over existing and/or structural movement joints, within 1 metre of all horizontal and vertical corners, against all obstructions fixed to the structural background and over all discontinuities in building materials

The joints should be at least 5mm wide and extend through the tile and adhesive layers. All structural expansion joints in the background must be extended through the tiles to the surface

Where practical, the bulk of the depth of the movement joint can be filled with an inexpensive compressible material such as polyethylene foam strips. Seal the joints using a suitable resilient sealant in accordance with the manufacturer's instructions. It is important that the joint sealant bonds only to the sides of the movement joints.

PRECAUTIONS

- Wear rubber gloves.
- Do not ingest.
- In the event of contamination rinse thoroughly with cold water.
- Use as directed.
- Use a dust mask.
- Work in well ventilated areas.
- Seek medical assistance if irritation or discomfort persists.

WARNING

- Do not ingest.
- Keep away from children and pets.
- Do not empty into drains.

PRESTIGE ADHESIVES GUARENTEE

We guarantee that **Prestige** products meet the product specifications and will be free from any defect. Any guarantee with regards to the performance of **Prestige** products will be subject to the professional and practical application of **Prestige** products in accordance with our instructions and specifications.

However, we have no influence over specific site conditions and therefore, if in doubt, the user should first carry out sufficient tests to ensure that the product is suitable. In special cases, obtain advice. Should our product prove defective, we undertake to replace any defective material.

This guarantee will fall away in the event of **Prestige** products being contaminated or adulterated by the addition of sand, cement or any substance other than recommended by us.

IMPORTANT NOTICE

Prestige Adhesives believes the information on this sheet to be correct and true; but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. The only obligation of Prestige Adhesives shall be to replace any of this product proved to be defective in material. Prestige Adhesives shall not be liable for any injury, loss or damage, direct or inconsequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchantability or any other warranty, express or implied. Prestige Adhesives CC reserves the right to change the information on this datasheet.

PRESTIGE TECHNICAL ADVICE CENTRE

For a detailed Materials and Methods Specification contact the Prestige Adhesives Technical Advice Centres:

Prestige Adhesives CC

Tel: 010 140 9658 • Fax: 011 316 3799

E-mail: qc@prestigeadhesives.co.za

Prestige Adhesives Cape (Pty) Ltd

Tel: 021 9330334 • Fax: 021 9310969

E-mail: orders@prestigecape.co.za