

PRODUCT DATA SHEET

Prestige Powerflex



DISPERSION PASTE ADHESIVE

DESCRIPTION

Prestige Powerflex is a ready mixed, flexible, thin bed, non-slip, super grip adhesive paste, suited for use in interior and covered exterior conditions, on walls and floors. **Prestige Powerflex** can be used for fixing lightweight ceramic, brick, and clay tiles to flexible surfaces such as primed timber and chipboard, pre-primed corrosion-free metal surfaces as well as plaster, concrete, primed asbestos and chipped and primed gypsum plaster. Prestige Powerflex is a dispersion adhesive which offers immediate adhesive grip making it ideal for fixing lightweight tiles on vertical and overhead applications such as archways, window reveals and doorways. This product can be used in areas prone to moisture i.e. bathrooms, however it is not recommended to be used in permanently wet conditions such i.e. swimming pools.

USES

- Fixing lightweight tiles on vertical and overhead applications
- Laying of tiles onto flexible dimensionally unstable surfaces
- Tiling of partition walling

CHARACTERISTICS

- Ready mixed paste
- Suitable for flexible surfaces
- Excellent adhesion and workability
- Immediate grip/non-slip

PRODUCT INFORMATION

Chemical Base	Styrene acrylic copolymer
Packaging	5 kg buckets
Appearance	White Paste
Shelf Life	12 months from date of production
Storage	Store in dry conditions

TECHNICAL INFORMATION

Initial Setting Time	± 24 hours at 25°C and 50 % humidity
Final Setting Time	± 48 hours at 25°C and 50 % humidity
Working Time	± 20 minutes at 25°C and 50 % humidity
Pot Life	± 30 - 45 minutes at 25°C and 50 % humidity
Temperature Resistance	Up to 90°C
VOC Content	< 20 g/litre of product
Application Thickness	1 - 4 mm
Consumption	± 1 m ² /kg using a notched wall trowel

INSTALLATION INSTRUCTIONS

Background

As per the SABS Code of practice for the Design and Installation of Ceramic Tiles Code 0107–1996. 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.
- Partition walling must be erected and sealed strictly as per the manufacturer's specifications and must be thoroughly braced at maximum 300 mm centres in both directions (screwed, not nailed).

Surface preparation

1. 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.

2. Painted and Gypsum-plastered surfaces need to be chipped to remove 80% of the paint or Gypsum.
3. Enamel-painted and bitumen surfaces must be stripped of all coatings. **Do not use a solvent or heat to remove bitumen from the substrate.**
4. 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.
5. Smooth, off-form/shutter or power-floated cement surfaces, drywall partitioning 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

1. Prestige Powerflex Ceramic Paste Tile Adhesive is a ready to use paste adhesive and must not be adulterated by addition of water or any other substance.
2. Stir product before use. DO NOT ADD WATER

Application

1. Apply a 3 mm bed of adhesive using 6 x 6 x 6 mm notched trowel.
2. Do not spread more adhesive than can be used within \pm 20 minutes. This is to ensure that the adhesive does not dry or skin before tiles are applied.
3. Press tiles firmly into wet adhesive with a twisting action. Use a rubber mallet to bed large or heavy tiles.
4. Occasionally lift a tile to check that full contact is being made between the tile and the wet adhesive. No void must be left under the tiles as these will be points of weakness resulting in the tile being prone to breaking under impact loads.
5. Remove excess adhesive from joints and tiled surface before drying has occurred.

Grouting

1. Tiles must be allowed to dry for a minimum of 24 hours before grouting takes place depending on environmental conditions. For sealed or non-porous surfaces, allow a minimum of 48 hours before grouting.
2. Minimum grouting joints for walls is 2 mm and for floors 3 mm or as recommended by the tile manufacturer. Do not butt joint tiles.
3. Ensure that the joints are free from tile adhesive and any other foreign material before grouting.
4. Use **Prestige Standard Grout** for filling tile joints up to 8 mm wide; in accordance with the product specifications.

Movement joints

It should be noted that the lack of movement joints in a tile panel is a major cause of tile failure. They should be specified at the design stage to avoid placing them in heavy traffic areas and spoil the visual effect of the tiles.

As per the SABS Code of Practice for the Design and Installation of Ceramic Tiles Code 0107–1996.

1. Tiles should be installed providing for adequate movement joints.
2. 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.
3. Movement joints on wall tiling should be in both directions at a maximum of 3 metre centres internally and externally.
4. 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
5. The joints should be at least 5 mm wide and extend through the tile and adhesive layers.
6. All structural expansion joints in the background must be extended through the tiles to the surface
7. Where practical, the bulk of the depth of the movement joint can be filled with an inexpensive compressible material such as polyethylene foam strips.
8. 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

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