

Packaging



Mixing



Application



Uses



Substrates

Concrete,
Brick, Block
Cement render

One-part, fast-setting, flexible tile adhesive

Description

A fast-setting, flexible, polymer modified, cement-based adhesive. It is formulated for fixing porous and non-porous tiles, porcelain tiles and natural stone over sound concrete, acrylic waterproofing membranes, where there is a need for tiling and grouting in 4 hours and put into full traffic in 6 hours.

Uses

A fast-setting adhesive for areas requiring tiling to full use in 6 hours, e.g. overnight renovations of shops, hospitals, bathroom renovations, passageways and commercial situations where trades need to access the floors quickly.

Not for use in immersed application i.e. swimming pools or timber floors (Construction Chemicals provides other systems).

Features

- **C2** high bond strength, exceeds 1MPa
- **S1** high deformation, exceeds 2.5mm
- **F** Fast set
- Grout in 4 hours
- Trafficable in 6 hours
- Flexible – will accommodate shrinkage cracks in the substrate (0.4mm)
- Will not lip or slump

Coverage (Approximate)

6-7m² depending on the surface and notch trowel size.

Performance Data

Tensile adhesion strength
0.5MPa (4 hours), 1.4MPa (28 days)

Specification

The fast-setting, ceramic tile adhesive shall be a water-resistant, flexible, fast-set, polymer-based cement that has a minimum tensile adhesion strength of 0.5MPa in 4 hours such as **Fastflex** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

Surface Preparation

The surface to be tiled must be firm and clean, free from dust, waxes, paint and other contaminants. Power or steel floated concrete floors must be mechanically roughened and washed thoroughly prior to tiling. Prime the surface with **Primax** or **Super Prime**. New concrete must be 28 days old.

A guide to tile joint sizes

Internal minimum 2mm, external minimum 4mm or as specified by the tile manufacturer and AS3958.1. **Do not** fix tiles with tight joints. When grouting joints of less than 3mm we recommend mixing the grout with **Primebond**. Greater care is needed to place the grout deep into joints before pointing the joints to compact the grout surface.

Mixing

Mix with clean water using 2.5-3 litres per 10kg of powder. Add the powder to the water while mixing with a slow speed electric drill to obtain a lump-free creamy consistency. Adjust mix to suit users preference. Pot life is approximately 45 minutes, fixing time 10-15 minutes, depending on the temperature. Allow to stand for 5 minutes and restir before use. The mixture will thicken if left standing. Re-stirring reduces thickness, making the product usable for a longer time.

Application

Apply with a notched trowel. For tiles 400mm x 400mm or greater use a 12mm notch and butter tile back (as per the Australian Standard AS3958.1). The final bed thickness must not be less than 2mm for walls and 3mm for floors, to accommodate movement. Spread about 1 metre at a time. Tiles must be set in place while the adhesive is still wet on the surface. Press tiles firmly into the adhesive using a slight sliding motion. Tiles must be firmly bedded into the adhesive so no voids occur beneath the tiles. **Do not** spot fix. Movement joints (5mm) to be at 5 metre grids, corners and room perimeters are filled with **Colour Seal** or **Sealflex**.

Set Time

Approximately 4-6 hours, depending on temperature and humidity.

Grouting

Grout after adhesive has set, approximately 4 hours. Use **Kemgrout** mixed with **Primebond**.

Safety Precautions

Non-toxic but contains cement which contains silica. Wear gloves and appropriate respirator. Further information for this product is contained in the Safety Data Sheet (SDS). Refer; www.constructionchemicals.com.au

Shelf Life

One year in an unopened bag, in a dry environment.