

Packaging



Mixing



Application



Uses



Substrates

Concrete
Brick
Block
Cement Render
Building Boards

Premium, flexible, white, mastic adhesive

Description

A premium, flexible, white, mastic adhesive. **Gripflex** is a polymer-modified, water-resistant, cement-based adhesive for bonding ceramic, porcelain and stone tiles to porous and non-porous surfaces subject to vibration and thermal movement.

Uses

A thick or thin bed, internal and external, floor and wall, one-pack, flexible adhesive for fixing over most substrates, e.g. concrete, heated concrete slabs, cement render, fibre cement sheets, plasterboard, existing properly prepared ceramic tiles, and **Construction Chemicals** waterproof membranes in shower alcoves.

Not suitable for immersed or swimming pool application. Do not use over timber floors (**Construction Chemicals** provides other systems).

Features

- **C2** high bond strength, exceeds 1.85MPa
- **S2** high deformation, exceeds 5mm
- **E** extended open time
- **T** non-slump
- Instant grip and non-slip/slump
- Tiling over existing tiles
- Low VOC

Performance Data

Exceeds the performance requirements of AS ISO 13007.1

Tensile Adhesion Strength 1.85MPa (28 days)

Coverage (Approximate)

20kg will cover 13-16m² using a 6mm notched trowel, over a true surface.

Specification

The ceramic tile adhesive will be a water-resistant, flexible, polymer-modified cement that conforms to AS ISO 13007.1 and has a minimum tensile adhesion strength of 1.85MPa, such as **Gripflex** 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. Steel floated concrete floors must be mechanically roughened, washed thoroughly and allowed to dry prior to tiling. Prime with **Primax** on external and smooth surfaces and **Primebond** on internal porous surfaces.

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 3-4 litres per 10kg to a thick creamy consistency. Pot life is approximately 2 hours, depending on temperature. 20kg of **Gripflex** can make approximately 18 litres of mastic. Allow to stand for 5-10 minutes and restir before use.

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 a silicone sealant.

Set Time

Approximately 24 hours, depending on temperature, humidity and surface porosity. Allow longer for dense tiles and cooler conditions.

Grouting

Grout after adhesive has set, approximately 24 hours. Use **Kemgrout** mixed with **Primebond**.

Precautions

- **Do not** use in immersed applications or to bond moisture sensitive stone and tiles
- **Do not** let the adhesive dry on the tile surface, remove while wet with a damp cloth or sponge
- Apply adhesive at temperatures from 10-30°C

Safety Precautions

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

Sizes

Available in 13.5kg and 20kg bags.

Shelf life

When stored in the original, unopened packaging, in a dry place @ 23°C @ 50% relative humidity, the product has a 12 month shelf life.