

Packaging



Mixing



Application



Uses



Substrates

Concrete,
Brick
Block
Cement render

Fast-setting, two-pack adhesive

Description

A two-component, rapid-drying, cement-based adhesive for stone and composite tiles that are affected by moisture and require a rapid-drying adhesive (available in white and grey).

Uses

For bonding ceramic tiles, terrazzo tiles, reconstituted stone, natural stone, granite and marble to floors and walls, externally and internally where fast drying and set times are required combined with high strength (**moisture sensitive stone internal only**).

Features

- **C2** high bond strength, exceeds 1MPa
- **S1** high deformation, exceeds 2.5mm
- **F** fast set
- High early strength
- Tiled surfaces can be grouted after 3 hours and are completely cured after 24 hours for normal use
- Low shrinkage
- High bond strength
- Resistant to impact, vibration, temperature, ageing and dilute chemicals

Coverage (Approximate)

4m² per 20kg/5L pack using 10 x 10mm notched trowel.

Performance Data

28 day tensile adhesion strength 2.8MPa

28 day flexural strength 5MPa

28 day compression strength 20MPa

Temperature resistance -20°C to +81°C

Specification

The two-part, rapid-setting and drying adhesive must have a 28 day tensile adhesion strength of 2.8MPa and compression strength of 20MPa and be capable of being grouted in three hours and put into normal use in 24 hours, such as **Rapidfix** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's instructions.

Surface Preparation

Surfaces to be tiled must be structurally sound, clean and free from waxes, coatings, oil, grease, laitance and all contaminants. Concrete must be cured 28 days and render 7 days prior to being tiled. Prime the substrate with **Primax**. Dampen down surfaces that have been heated by the sun to cool them down. If this is not possible, apply the adhesive in the shade.

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 using a slow speed power mixer. Pour 5L of liquid into the mixing container and slowly add powder until a lump free paste mixture is obtained (always add powder to liquid). Clean mixing container out between mixes to avoid shortening pot life.

Mix ratio

Grey – 20kg powder to 5L liquid

White – 20kg powder to 5L liquid

Pot life is 45 minutes at 23°C @ 50% relative humidity. Higher temperatures will reduce this 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

- Light traffic after 3-4 hours
- Polishing after 24 hours
- Heavy traffic after 24 hours

Grouting

Grouting can be commenced after 3 hours. Use **Kemgrout** mixed with **Primebond**.

Cleaning

Before the adhesive has set, with water.

Precautions

- Do not use on surfaces subject to rising damp.
- Do not use on metal or flexing building boards e.g. cement sheet, wood panels.
- Do not use on green marble or stone containing metal pigments which are subject to moisture expansion.
- Do not use on moisture sensitive stone externally or immersed.

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. Refer; www.constructionchemicals.com.au

Shelf Life

1 year powder / 2 years liquid.