

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

- High early strength.
- Tiled surfaces can be grouted after 3 hours and are completely cured after 24 hours for normal use – (3 days cure time for immersed application).
- 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 AS3958.1-2007. **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 the adhesive to the primed surface with a notched trowel. Butter large or irregular backed tiles with 3-5mm thick even bed. The final adhesive bed must be not less than 2mm for walls and 3mm for floors. Spread a metre at a time and check it does not skin on the surface. The open time is 15-20 minutes in normal conditions (shaded areas at 23°C @ 50% relative humidity). Application in sun, strong dry winds and or high temperature can reduce this to a few minutes. The substrate can be dampened prior to applying the adhesive but do not wet down the surface of the adhesive. Respread the adhesive, with notched trowel, if skinning occurs.

Tiles must be set in place while the adhesive is still wet on the surface. Press tiles firmly into the adhesive using a slight twisting motion. Tiles must be bedded into the adhesive so no voids occur beneath the tiles. Adjustment can be made up to 10-15 minutes after fixing.

Protect the tiles surface from rain and water for 3-4 hours and from strong sun for 12 hours.

Set time

- Light traffic after 3-4 hours
- Polishing after 24 hours
- Heavy traffic after 24 hours
- Immersed application – 72 hours

Grouting

Grouting can be commenced after 3 hours.

Grout with **Kemgrout** mixed with **Primebond** or **Epegrout**.

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 eg. 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 Material Safety Data Sheet. Refer; www.constructionchemicals.com.au

Shelf life

1 year powder / 2 years liquid.



www.constructionchemicals.com.au

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