Dribond CONSTRUCTION CHEMICALS

Cemflex

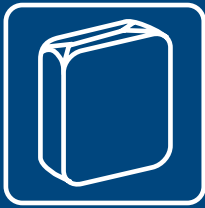## C2S1 One-pack, polymer-modified, rubber-based tile adhesive
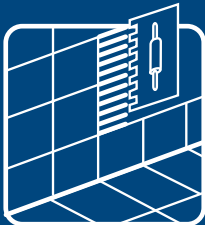
Packaging

Mixing

Application

Uses

Substrates

New concrete
Brick, Block
Cement render
Building boards
Compressed cement sheet

Description

A polymer-modified, rubber-based, fast-setting, cementitious adhesive for bonding ceramic and stone tiles to porous and non-porous surfaces.

Uses

A thick or thin bed adhesive that can be used to fix porous and non-porous tiles internally and externally on floors and walls of concrete, cement render, screeds, brick and block. Apply internally to approved building boards (gypsum/ compressed cement sheet) and **Construction Chemicals** waterproofing membranes.

Features

- **C2** high bond strength, exceeds 1.0MPa
- **S1** high deformation, exceeds 2.5mm
- Suitable for shower alcoves
- Ideal for new concrete floors subject to shrinkage cracks (0.4mm)

Performance Data

Meets the performance requirement of AS ISO 13007.1.

Tensile Adhesion Strength
1.5MPa (28 days)

Coverage (approximate)

20kg will cover 7-8m^2 using a 10mm notched trowel, over a true surface.

Specification

The ceramic tile adhesive will be a water-resistant, fast-setting, rubber-based, polymer-modified cement that conforms to AS ISO 13007.1 and has a minimum tensile adhesion strength of 1.5MPa, such as **Cemflex** 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, non-porous and damp surfaces, and **Primebond** on dry, porous surfaces.

A guide to tile joint sizes

Internal minimum 2mm, external minimum 4mm or as specified by the tile manufacturer & 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 litres to 10 kg. 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 2 hours. Allow to stand for 5 minutes and re-stir before use.

Application

Tiling must be done in accordance with AS3958-1. 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.

Must be applied in accordance with all relevant **Construction Chemicals** technical information: www.constructionchemicals.com.au/tech-info/

Grouting

Grout after adhesive has set for approximately 8-12 hours. Use **Kemgrout** mixed with **Primebond** for greater durability.

Precautions

- **Do not use in immersed applications (i.e., swimming pools)**
- Do not use over timber floors

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

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

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