

Monoflex

Packaging



Mixing



Application



Uses



Substrates

New Concrete
Brick Block
Cement Render
Building Boards
Existing Tiles
Heated Slabs
Cement Sheet
Fixed to Timber
Floors

C2 S2 E T The one pack adhesive with two pack performance

Description

A premium water resistant, flexible rubber based, fast setting, cementitious adhesive for bonding ceramic and stone tiles to porous and non-porous surfaces subject to vibration and thermal movement.

Features

- **C2** high bond strength, exceeds 1MPa
- **S2** exceptional flexibility deformation, exceeds 5mm
- **E** extended open time
- **T** non-slump
- A one pack with two pack performance i.e. 1.9MPa adhesion > 5mm deflection and
- Will withstand thermal and vibration movement and 1.0mm shrinkage cracks
- Exceeds the requirements of AS4992
- Ideal for fixing granite, porcelain & vitrified tiles
- For fixing tiles to fibre cement sheet over timber floors
- Suitable for shower alcoves
- Ideal for new concrete floors subject to shrinkage cracks
- Tiling over existing tiles

Uses

A one-pack, thick or thin bed internal and external floor and wall flexible adhesive for fixing over most substrates e.g. concrete, heated concrete slabs, cement render, fibre cement sheets, plasterboard, existing properly prepared ceramic tiles, vinyl tiles and **Construction Chemicals** waterproof membranes. **Not suitable for immersed or swimming pool application. Do not use directly over timber floors. (Construction Chemicals provides other systems).**

Performance Data

Exceeds the performance requirements of AS4992.

Tensile adhesion strength
1.9MPa (28 days)

Coverage (Approximate)

20kg will cover 10m² + using a 10mm notched trowel (floors).

Specification

The ceramic tile adhesive will be a water resistant, fast setting flexible rubber based polymer modified cement that conforms to AS4992 and has a minimum tensile adhesion strength of 1.9MPa such as **Monoflex** 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 AS3958.1-2007. **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 with clean water using 3-4 litres to 10kg. 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

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 AS3958.1-2007). 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 twisting motion. Tiles must be firmly bedded into the adhesive so no voids occur beneath the tiles. **Do not** spot fix.

Grouting

Grout after adhesive has initially set, approximately 8-12 hours. Use **Kemgrout** mixed with **Primebond**.

Set Time

Approximately 8-12 hours, depending on temperature, humidity and surface porosity. Allow longer for dense tiles.

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



www.constructionchemicals.com.au

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The information contained in this technical publication is based on our current knowledge and experience and is provided as a guide only. In view of the many factors that may affect application it is the user's sole responsibility to ensure suitability for a specific purpose.