CONSTRUCTION CHEMICALS

Kemgrip Super

Waterproof ceramic tile adhesive with extra grip

Packaging

Mixing

Application

Uses

Substrates

- Concrete
- Brick
- Block
- Cement Render

Description

A cement powder based adhesive formulated to be mixed with water. A thick or thin bed adhesive for bedding and fixing ceramic and porcelain tiles to firm masonry surfaces. A waterproof floor and wall adhesive, off-white in colour, for when extra grip or non-slip properties are required.

Features

- **C2** high bond strength, exceeds 1.0MPa
- Waterproof ceramic tile adhesive
- Formulated for swimming pools
- Extra grip - non-slip - off-white

Coverage (Approximate)

3-6m^2 per 20kg, depending on tile size and trowel notch size.

Performance Data

Exceeds the performance requirements of AS ISO 13007.1-2013.

Tensile adhesion strength
2.33MPa (28 days)

Specification

The ceramic tile adhesive will be a waterproof cement based adhesive that conforms to AS ISO 13007.1-2013 and has a minimum tensile adhesion strength of 2.33MPa such as **Kemgrip Super** 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. **Kemgrip Super** will adhere most tiles, however when fixing porcelain, vitrified or non-porous tiles, additional bond is required by adding 1 litre of **Kemcrete** to 20kg of **Kemgrip Super**.

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.

Swimming Pools

Must be mixed with **Kemcrete** for underwater and extreme applications. Prime surface with **Primax**. Add 1 litre of **Kemcrete** per 20kg bag **Kemgrip Super**. Tile in cool conditions. Grout with **Kemgrout Sanded** mixed with **Primebond**. Allow to cure for 7 days @ 23°C @ 50%relative humidity, before filling pool.

Mixing

Mix with clean water using 2-3 litres to 10kg. Add the powder to the water while mixing with a slow speed electric drill to obtain a lump-free, creamy consistency.

Application

Apply with a notched trowel. For tiles 400mm x 400mm or greater use a 12mm notch and buttered 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. 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

Grouting should be commenced after 24 hours and is trafficable after 3 days. Grout with **Kemgrout**.

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.

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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.

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