

Kemgrip Floor & Wall

Waterproof ceramic tile adhesive with extra bond

Packaging



Mixing



Application



Uses



Substrates

Concrete
Brick
Block
Cement Render

Description

Kemgrip Floor & Wall is 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.

Features

- **C2** high bond strength, exceeds 1.0MPa
- Waterproof
- Extra bond
- Mixed with **Elastacrete (C2S2)** for use underwater and extreme applications, e.g., external facades and swimming pools.

Not suitable for moisture sensitive stone.

Coverage (Approximate)

3-6m² per 20kg, depending on tile size and trowel notch size.

Performance Data

Exceeds the performance requirements of AS ISO 13007.1.

Tensile Adhesion Strength

1.9MPa (28 days)

Specification

The ceramic tile adhesive will be a waterproof, cement-based adhesive that conforms to AS ISO 13007.1 and has a minimum tensile adhesion strength of 1.9MPa, such as **Kemgrip Floor & Wall** 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 Floor & Wall** 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 Floor & Wall**.

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.

Tiling and Waterproofing Swimming Pools

Prime substrate with **Primax**. Work to be carried out in cool conditions. Waterproof, if required, with **Liquid Flash 2**. Tile pool with **Kemgrip Floor & Wall** and **Elastacrete**. 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 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.

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 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.