

Dribond

Tiling Floors Subject to High Point Loadings

ie. car showrooms, garages, shopping malls, driveways

Priming
Packaging Mixing



Application



Adhering tiles
Packaging Mixing



Application



Grouting
Packaging Mixing



Application



Uses



Substrates

Concrete floors

Materials

Primax (2 pack primer), **Kemgrip Floor & Wall** (cement based ceramic tile adhesives) and **Elastacrete** (water based flexible acrylic additive) **Kemgrout** (ceramic tile grout) **Primebond** (waterbased acrylic) **Monoflex** (polymer modified cement adhesive) are available from Construction Chemicals

Surface preparation

Existing Concrete The surface must be clean and structurally sound and be free of dust, oil, grease, wax, paint and other contaminants. Remove oil, grease etc. with an industrial detergent e.g. Tri Sodium Phosphate or caustic soda solution. Wire brush or abrade to remove previous coating. Smooth concrete must be roughened mechanically and washed thoroughly and allowed to dry. Contaminated surfaces must be mechanically abraded.

New Concrete Must be finished with a wood float and be allowed to cure for a minimum of 28 days before tiling. The surface must be free of dirt, dust, grease and release agents prior to tiling.

Do not tile over movement joints in the floor.

Priming

Prime all surfaces Apply **Primax** to the substrate with a hard bristled broom.

Workmanship Apply products in accordance with the manufacturers written instruction, good trade practice and AS3958.1-2007.

Application Adhere the tiles with **Kemgrip (Floor & Wall)** mixed with **Elastacrete** at a rate of 5-6 litres of liquid to 20kg **Kemgrip (Floor & Wall)** or use **Monoflex** (areas subject to heavy

vehicle traffic must use **Kemgrip (Floor & Wall)** mixed with **Elastacrete**). The adhesive will flex, accommodating possible movement difference between the tile and the concrete yet still being sufficiently rigid to accommodate the stress and point loading of the weight of vehicles or pallet trucks. The adhesive will accommodate pedestrian traffic 24 hours after application. Driveways and car showrooms must set for 14 days @ 23°C 50% relative humidity before use. Tiles must be a heavy duty, commercial grade (Rating 5).

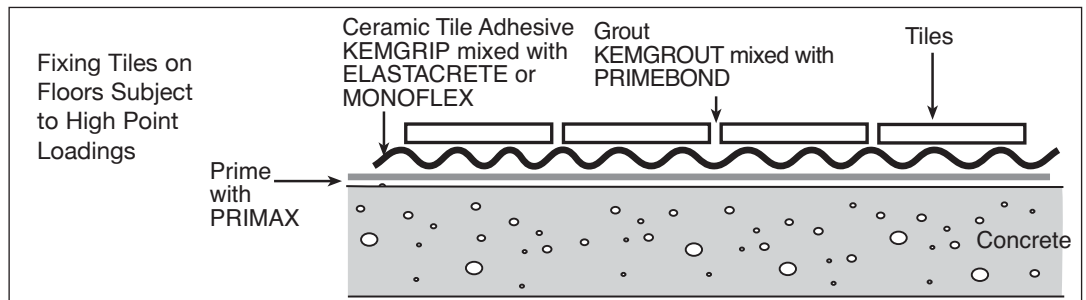
Apply with a minimum 10mm notched trowel. For tiles 400mm x 400mm or greater use a 12mm notch and buttered tile back (as per the Australian standard AS3958). The final bed thickness must not be less than 3mm, to accommodate movement. Spread about 1 metre at a time. Tiles must be set in place while the 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.**

Movement Joints Leave a 5mm gap around the perimeter of the floor and at 5 metre intervals in a grid pattern and fill the clean joints with a flexible sealant (ie. **Color Seal**). Do not tile over movement joints in the floor.

Grouting

A guide to tile joint sizes is a minimum 4mm or as specified by the tile manufacturer and AS3958.1-2007. **Do not** fix tiles with tight joints.

We recommend mixing grout with **Primebond**. Greater care is needed to place the grout deep into the joints before pointing the joints to compact the grout surface.



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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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