

Mosaicbond

Packaging



Mixing



Application



Uses



Used underwater

Substrates

Gypsum
Plasterboard
Cement sheet
Concrete,
brick, block
Cement render

A flexible, glass mosaic adhesive/grout

Description

Mosaicbond is a premium grade, internal and external floor and wall adhesive with exceptional performance. **Mosaicbond** is formulated to allow the bonding and grouting (2mm-4mm joints) of mosaics tiles. Can be used on many different surfaces i.e. fibre cement sheet, plasterboard, concrete, ceramic tiles and smooth concrete.

Uses

A thin bed internal and external floor and wall adhesive for fixing and grouting mosaic tiles over most substrates e.g. cement render, fibre cement sheets, plasterboard, existing properly prepared ceramic tiles and Construction Chemicals waterproof membranes.

Swimming pools use Kemgrout Sanded.

Mosaicbond mixed with Kemgrout Flexible has a shorter pot life than when mixed with Kemgrout Sanded and is more difficult to use.

To be applied by an experienced two-man team, one applying the adhesive and one cleaning up.

Features

- Exceptional adhesion - suitable over a number of difficult to bond substrates
- Waterproof - ideal for water features and full immersion
- Flexible - accommodates normal building movement
- White (ideal for glass mosaics) and colours available
- High initial adhesion - reduces the need for support in wall tiling applications

Coverage (Approximate)

Mosaicbond can be mixed with **Kemgrout Flexible** or **Kemgrout Sanded**. 1L **Mosaicbond** with 2.4kg **Kemgrout Flexible**. 1L **Mosaicbond** with 3.6kg **Kemgrout Sanded** and will cover approximately 1.0-1.2m² depending on grout joint width and bed thickness.

Surface Preparation

The surface to be tiled must be structurally sound and clean, free from laitance, release agents, curing compounds, dust, waxes, paint and all contaminants. Prime porous substrates, cement sheet, building boards and up to 32MPa concrete with **Primebond**. New concrete must

be 28 days old. Immersed, damp and non-porous i.e. swimming pool. Must be primed with **Primax**. When using glass mosaics in fully immersed conditions check with the tile supplier as to the suitability (the adhesive used to fix the mesh to the back of the mosaic may swell and breakdown under these conditions). Ensure that no more than 10% of the back of the sheet of mesh mounted mosaic is covered by the substance used to adhere the glass mosaic to the mesh.

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 1L of **Mosaicbond** with approximately 2.4kg of **Kemgrout Flexible** or 3.6kg of **Kemgrout Sanded** to a thick creamy consistency. (Adjust mix to suit users preference). Pot life is approximately 1-2 hours @ 23°C @ 50% relative humidity.

Application - Adhesive & Grout

Using a 6mm x 6mm notched trowel apply the mixed **Mosaicbond** to the substrate. Place the mosaics onto the adhesive forcing adhesive into the grout joints then top up grout with a rubber grouter until filled and flush. Clean up excess adhesive and repeat with the following sheets.

The final bed thickness must not be less than 2mm for walls and 3mm for floors, to accommodate movement. Spread 1m² at a time; do not allow the adhesive to 'skin', bed the tiles while the adhesive is still wet on the surface. Press mosaics firmly into the adhesive ensuring full bedding of the mosaics. Allow the adhesive to come up between the grout joints so grouting can be done at the same time, use more adhesive if required to grout as tiling is being done. Clean adhesive off the tile face before adhesive dries with a damp cloth or sponge. Do not allow the adhesive to harden on the face of the tiles. When a haze forms over the tile, polish carefully with a dry cloth, taking care not to abrade or scratch the tile surface.

Set Time

Approximately 24 hours, depending on temperature, humidity and substrate porosity. Allow longer for dense tiles. **Swimming pools allow 7 days before filling pool.**

Grouting

Correct pin holes and imperfections in the grout by regrouting after the adhesive has set by mixing **Primebond** with the grout powder and apply in accordance with normal grouting application. Take care when placing grout, removing surplus grout and grout haze so as not to abrade or scratch the tile surface.

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. Store in a cool dry place out of direct sunlight.



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.