

Mosaicbond

Packaging



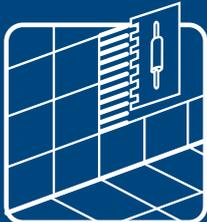
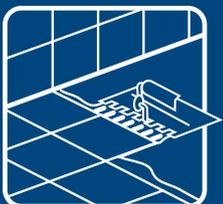
Mixing



Application



Uses



Substrates

Gypsum
Plasterboard
Cement sheet
Concrete,
brick, block
Cement render

A flexible, glass mosaic adhesive/grout

Description

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.

Mosaicbond darkens the adhesive/grout colour.

Features

- **C2** high bond strength, exceeds 1.0MPa
- **S1** high deformation, exceeds 2.5mm
- 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)

1L **Mosaicbond** with 2.4kg **Kemgrout Flexible**, 1L **Mosaicbond** with 3.6kg **Kemgrout Sanded** will cover approximately 1.0-1.2m² depending on grout 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.

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.

Adhesive Application

Tile in accordance with AS 3958.1.

Tile in shaded conditions in temperatures between 10-30°C.

Apply the adhesive with a 6mm x 6mm notched trowel applying 1m² at a time.

The final bed thickness must not be less than 2mm for walls and 3mm for floors. Do not allow the adhesive to 'skin'. Bed the mosaics while the adhesive is still wet on the surface and ensure the mosaics are firmly pressed into the adhesive and the mosaic/adhesive/substrate are in full contact, and there are no voids.

Mosaicbond can be used as an adhesive only and the joint left clean to be grouted as a second step. Allow the adhesive to cure for 10-12 hours. When adhering and grouting in one step allow the adhesive to come up between the grout joints when fixing the mosaics and use more adhesive as required to fill the grout joints.

Grouting

Use a rubber float or squeegee to work the grout into the joints using a diagonal motion to fill the joints.

Remove excessive grout from the surface with the rubber float or squeegee in a diagonal motion.

Use a damp sponge to remove remaining grout when the grout has initially set in the joint.

Do not use too much water or over-work the joints as this can cause efflorescence and colour variation problems.

Take care when placing grout, removing surplus grout and grout haze so as not to scratch or abrade the tile surface.

Do not let the grout harden on the tile face. When a haze forms over the tiles polish with a dry cloth to remove haze.

When grouting as a second step, **Primebond** is mixed with the grout. **Primebond** does not darken or change the grout colour, **Mosaicbond** darkens the grout colour.

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.**

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

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