

MasterTile®15

Fine polymer modified cement-based tile grout with color fast pigments

DESCRIPTION

MasterTile 15 is a fine polymer modified cement-based tile grout with colour fast pigments to provide strong, hard, durable, non-shrinking tile joint for grouting wall tiles, mosaics and vitrified tiles, natural stones (not prone to staining)

RECOMMENDED USES

- Bathrooms, kitchens, swimming pools etc
- Ceramic tiles, vitrified tiles
- Natural Stone (not prone to staining)
- Medium and small sized mosaic

FEATURES AND BENEFITS

Water-resistance – suitable for water contact

Coloured - Aesthetically pleasing finish

Fast return to service - Tiles can be grouted as soon as they are walkable.

Multi- purpose - Ideal for internal and exterior applications.

Easy to apply - simply add water on site

Excellent Adhesion

Non - Yellowing

PROPERTIES

Aspect	Single Component, Free flowing powder
Fresh wet density	1.70 + 0.10 kg/litre
Water/powder ratio, by weight	0.39 – 0.45
Water absorption(g) Storage 28d for: 30 min 240 min Under standard condition, as per EN 12808 - 5	< 1.5 g < 2.5 g
Flexural strength at 28 days as per EN 12808 - 3	>5 Mpa
Compressive strength at 28 days as per EN 12808 - 3	>15 Mpa

All above properties have been tested as per w/p ratio= 0.4

APPLICATION

Substrate preparation

Ensure to maintain 3 – 6 mm wide joints using spacers while fixing the tiles in position.

Immediately after setting the tiles & rake joints Clean to a uniform depth corresponding to the thickness of the tile. Allow bedding mortar to set. Protect all connections and movement joints by inserting polystyrene profiles or foam sections. Remove polystyrene profiles prior to applying elastic sealants.

Mixing

Decide the gauging water in the range of 390 -450 ml per Kg of **MasterTile 15**, based on the consistency of mixed grout required, environmental conditions and open time warranted for the application.

Fill gauging water in a clean mixing container. Add powder and stir until a plastic, lump-free grout is achieved. Mixing shall be done using slow speed (300-500 rpm) mechanical stirrer.

Leave to stand for 5 minutes before using.

Apply to tile joints with a squeegee or rubber float. Fill joint flush with tile surface. Re-grout if necessary. Allow the grout to firm up in the joint (until it is resistance to thumb use thumb pressure) and scrap off excess grout with a slightly damp sponge or sponge board.

After drying remove the remaining grout film with a damp sponge. Do not use a dry cloth for cleaning as there is risk of discolouration by rubbing dried grout in to the damp joint.

Watch points

A grout film and/or pigment stains especially with very dark colours may remain on unglazed or matt glazed tiles after grouting. Follow the tile manufacturer's recommendations. A trial grouting might be recommendable. Remove any remaining haze carefully while still fresh. Joint have to be adequately pre-wet if acid-washing is necessary. Seal joints between tile surfaces, fitted elements and pipe penetrations as well as corner and connection joints with the elastic sealants MasterSeal NP 472.

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There is risk of discoloration with light colours if, due to unfavourable conditions on site, soluble colouring elements (e.g. pieces of tiles, additives for screeds or plasters/renders) are transported in to the joint by moisture. In such cases use, **MasterTile 100** epoxy tile grout instead.

- Grouting in commercially used areas and swimming pools, subjected to increased mechanical and chemical stress should be carried out with **MasterTile 100**.
- Never add water or fresh grout and/or powder to a grout mix which has already begun to set.
- Slight deviations in color of **MasterTile 15** grouts are possible, it is therefore recommended to only use grouts with the same batch number for the same project.
- For optimum hydration of cement make sure to keep the surface moist by sprinkling water (in particular with non-absorbent tiles and adhesives)
- Exposure to acid-containing, cement-attacking cleaning agents can cause damage to hardened grout.

ESTIMATING DATA

1kg is sufficient for approximately 4 square meters using standard 150 x 150mm tiles including normal wastage.

PACKAGING

MasterTile 15 is available in 1kg bags. It is available in 12 colours.

SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.

PRECAUTIONS

It is highly recommended to use necessary PPE (Gloves, mask etc..) during installation of the product. In case of Incidents of direct inhalation, causing dizziness/giddiness, loss of consciousness, contact with eyes etc, seek immediate medical advice. The requirements may vary depending on the application areas. Please ensure to have proper ventilation while working in confined areas. Contact Master Builders Solutions representative in case you need further details or refer to the material safety datasheet of the product to know more.

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