

# MasterTile® 15

Coloured, joint grout for ceramic, vitrified tiles

## MATERIAL DESCRIPTION

**MasterTile 15** is a fine coloured powder which, when mixed with water, gives a smooth, easily applied creamy paste for clean grouting of ceramic, vitrified tiles and natural stone. It sets to a decorative water resistant finish (it is not suitable for heavily trafficked floor areas).

## RECOMMENDED USES

- Swimming pools & shower rooms
- 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
- **Good resistance to cracking** - joints up to 3-6mm wide.
- **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.

## PROPERTIES

Aspect	:Free flowing powder
Fresh wet density	: 1.70 + 0.10 kg/litre
Water/powder ratio, by weight	: 0.390 – 0.450
Water absorption(g) Storage 28d for: 30 min 240 min Under standard condition, as per EN 12808 - 5	: < 2g : < 5g
Abrasion test (mm <sup>3</sup> ), as per EN 12808-2 Flexural strength (N/mm <sup>2</sup> ) as per EN 12808 - 3	: < 1000 mm <sup>3</sup> : > 2.5 N/mm <sup>2</sup>
Compressive strength (N/mm <sup>2</sup> ) after dry storage as per EN 12808 - 3	: > 15 N/mm <sup>2</sup>
Shrinkage (mm/m) : As per 12808 - 4	: < 3mm/m

All above properties have been tested as per w/p ratio = 0.410

## STANDARDS

BS EN 13888 – CG2WA  
Improved Cementitious grout with additional characteristics of reduced water absorption & high abrasion resistance

## 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 **MasterFlex472**.

# MasterTile<sup>®</sup> 15

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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 colour 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 16 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 airconditioned environment.

Shelf life is 12 months when stored as above.

### PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Master Builders Solutions Material Safety Data Sheet (MSDS) from our office or our website.

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#### STATEMENT OF RESPONSIBILITY

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