

# MasterTile® 50

## Cementitious, general purpose tile adhesive

### DESCRIPTION

**MasterTile 50** is a grey cementitious powder formulated as a high quality fixing adhesive for a wide range of applications.

### TYPICAL APPLICATIONS

This versatile, easy-to-handle, cement-based adhesive is perfect for fixing Ceramic wall and floor tiles, mosaic tiles and similar materials in internal applications.

**MasterTile 50** provides strong adhesion to cement/sand screeds, aerated concrete and brickwork. For external wall applications use **MasterTile 30**.

### ADVANTAGES

- Economical.
- High impact.
- Easy to use- just add water on site.
- High adhesive bond strength.
- For internal walls and floors
- Non-toxic.

### PACKAGING

**MasterTile 50** is available in 30kg bags.

### COMPOSITION

**MasterTile 50** is a blend of Portland cement, graded sand and organic polymer.

### TYPICAL PROPERTIES

Colour	Grey
Plastic density	1550 kg/m <sup>3</sup>
Flash point	None
Service temperature	-30°C - +100°C
Application temperature	+5°C to +35°C

### YIELD

30kg bag mixed with 6.3 litres of water yields approximately 23.4 litres of mixed adhesive.

### COVERAGE

Solid bed fixing:	3mm - 6mm depth 4.6kg - 9.3 kg/m <sup>2</sup>
Notched trowel:	smooth surface 1.7 kg/m <sup>2</sup>

## APPLICATION PROCEDURE

### SURFACE PREPARATION

All surfaces must be clean, dimensionally stable, sound and free from all traces of oil, grease, mould release agent and curing compound. It should be ensured that tiles are dry, and free of contaminants that could impair adhesion.

Concrete, screeds, renders, and blockwork should be cured sufficiently that all shrinkage movement has occurred.

### MIXING INSTRUCTIONS:

Add **MasterTile 50** to cool, clean water at the following rates:

By weight 4.8:1 Volume 3.1:1 Mix to a uniform lump free consistency and allow standing for 5 minutes before use. Full bag volumes should ideally be mixed in a forced action mixer. Part bags should be mixed using a slow speed drill and mixing paddle

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### APPLICATION INSTRUCTIONS:

Apply **MasterTile 50** to a uniform thickness of 3 to 6mm or sufficient to cover the studs or keys on the tile back; on a working area of not more than 1 m<sup>2</sup>. Solid bed fixing is recommended for all horizontal applications and for ceramic tiles. If preferred, **MasterTile 50** can additionally be buttered on the backs of the tiles to ensure full adhesive contact. For all other vertical applications the adhesive bed should be combed horizontally with a notched trowel to remove excess.

Tiles should be dry and fixed by pressing into place with slight twisting motion, ensuring the tile back achieves full contact with the adhesive.

Note: Do not apply over an area greater than that which can be covered within the open time of the product.

Ceramic tiles should never be butt jointed. Leave a minimum of 2mm around tiles.

Adjustments to tiles should only be made during the adhesives open time.

Remove excess adhesive from the face of the tile with a damp sponge or cloth before it sets.

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Similarly, joints must be raked out in readiness for grouting.

Leave for a minimum of 24 hours before grouting. Select the appropriate grout for joint size and in service use from the **MasterTile** range.

## WATCHPOINTS

Movement joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385.

**MasterTile 50** should not be used, unless modified with **MasterTile A 200**, on painted or metal surfaces, existing glazed tiled surfaces, or to bond non porous or high density ceramics such as glass mosaics.

Tiles should not be soaked in water prior to application.

Gypsum plaster boards and surfaces must be subjected to pre-treatment. Please consult Master Builders Solutions Technical Services for further advice.

Do not apply **MasterTile 50** greater than 8mm thickness on horizontal surfaces and 6mm on vertical surfaces.

## CODES OF PRACTICE

Tiling and grouting should be carried out in accordance with relevant British Standard Codes of Practice.

## SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention.

## STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consults Master Builders Solutions's Technical Services Department.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY AND CARE

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world- wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

\* Properties listed are based on laboratory controlled tests.

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