

MasterTile[®] 4

Cementitious tile adhesives for ceramic tiles

DESCRIPTION

MasterTile 4 is a cementitious powder formulated high performance fixing adhesive for a wide range of applications.

TYPICAL APPLICATIONS

Ceramic wall and floor tiles in internal applications.

MasterTile 4 may be employed with confidence in institutional or high traffic conditions. **MasterTile 4** is suitable for use in kitchens, showers and wet process areas. For external applications use **MasterTile 30**.

ADVANTAGES

- Water resistant.
- Precision made.
- Easy to use.
- Economical.
- For walls and floors
- High adhesive bond strength.

PACKAGING

MasterTile 4 is available in 20 kg bags.

COMPOSITION

MasterTile 4 is a blend of Portland cement, graded sand and organic polymer.

TYPICAL PROPERTIES

Color	:	Grey / White
Plastic density	:	1.60
Flash point	:	None
Service temperature	:	-30°C - +100°C
Application temperature	:	+5°C to +35°C

YIELD

20kg bag mixed with 4.5-5 liters of water yields approximately 15.65 liters of mixed adhesive.

CONSUMPTION

3mm - 6mm notch Trowel 2.4 kg – 4.4kg/m².

COVERAGE

Full bag 20 kg bag with 4.5 liters will cover an area of 5.6 m² at 6 mm depth Notch trowel.

Note: The consumption depends on the surface profile and roughness of the substrate and on the size of the tiles and the placing technique (simple placing "floating" or back to back "buttering-floating").

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 4** to cool, clean water at the following rates: By weight 4 – 4.5 :1. Mix to a uniform lump free consistency and allow to stand 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.

APPLICATION INSTRUCTIONS:

Apply **MasterTile 4** 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 m². Solid bed fixing is recommended for all horizontal applications and for ceramic tiles. If preferred, **MasterTile 4** 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.

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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 2 mm 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.

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 4 should not be used, unless modified with **MasterTile A 200**, on painted or metal surfaces, existing glazed tiled surfaces, or to bond nonporous 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 4** 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 consult 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 Master Builders Solutions Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and Master Builders Solutions ESHQ recommendations.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC-Group in many countries

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CONTACT

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Disclaimer:

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