

MasterTile[®] ECO

Cementitious tile adhesive with polymer additives for ceramic tiles

DESCRIPTION

MasterTile ECO is an economic cementitious powder formulated as a general purpose adhesive for a wide range of applications.

TYPICAL APPLICATIONS

MasterTile ECO can be used with vitrified and semi-vitrified, standard sized, ceramic tiles (Class 11a, 11b and 111, EN 14411 >3% water absorption) for internal wall and floor applications especially in the residential and commercial sectors. For detailed advice on the best adhesives for porcelain, glass mosaic, natural stones, or large format tiles in critical situations, contact your local Master Builders Solutions technical sales representative or distributor.

ADVANTAGES

- Water resistant.
- Easy to use.
- Economical.
- For walls and floors
- Good adhesive bond strength.

PACKAGING

MasterTile ECO is available in 20kg bags.

COMPOSITION

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

TYPICAL PROPERTIES*

Colours	Grey & White
Plastic density	1.70
Service temperature	-30°C to +100°C
Application temperature	+5°C to +35°C
Tensile adhesion strength	≥0.5N/mm ²

STANDARDS

BS 5980
BS EN 12004 C1 - Initial tensile adhesion and tensile adhesion after water immersion

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.

YIELD

20kg bag mixed with 3.6-4.0 litres of water yields approximately 13.8-14.1 litres of mixed adhesive.

COVERAGE

Solid bed fixing	3mm-6mm depth
	5.1kg-10.2kg/m ²
Notched trowel	smooth surface 2kg/m ²

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 ECO** to cool, clean water at the following rates:

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 ECO** 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 1m². Solid bed fixing is recommended for all horizontal applications and for ceramic tiles. If preferred, **MasterTile ECO** 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.

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

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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 ECO should not be used on painted or metal surfaces, un-primed existing glazed tiled surfaces, or to bond glass mosaics.

For advice on fixing porcelain, fully vitrified tiles, glass mosaic or other highly impervious tiles (i.e. Class 1 EN 14411 water absorption <3%) natural stone or large format tiles please contact your Master Builders Solutions technical sales representative.

Tiles should not be soaked in water prior to application.

Remove any dust or residue using a damp cloth or sponge only.

Do not apply **MasterTile ECO** greater than 6mm thickness on horizontal surfaces and 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.

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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-manufactured-to- procedurescertified 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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