

# MasterTile 410

**Cementitious adhesive of class C1T (white) and C1E (gray) for laying vertical and horizontal coatings with thicknesses up to 10mm, for interiors and exteriors.**

## MATERIAL DESCRIPTION

MasterTile 410 is a premixed adhesive, class C1T (cementitious, normal, with no vertical slip) white version and C1E (cementitious, normal with extended open time) in the gray version. Frost resistant, specific for laying on medium and low absorption coatings. Can be used indoors and outdoors. Maximum application thickness 10 mm.



## MAIN FIELDS OF APPLICATION

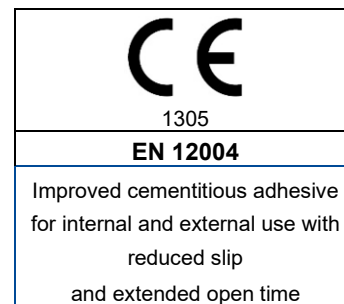
MasterTile 410 has been designed and formulated for laying coatings such as single-fired, double-fired, terracotta, klinker, etc., on walls and floors.

It can be walked on after 24 hours from installation.

It guarantees excellent adhesion on all substrates normally used in construction such as:

- Plasters and cementitious mortars
- Cementitious screeds
- Precast or cast-on-site concrete (mixed with MasterEmaco A 230)

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 12004 and the relative DoP (Declaration of Performance).



## CONSUMPTION

Average consumption is 2.5-4.5 kg / m<sup>2</sup>

## PACKAGING

25 kg paper bag.

## STORAGE

Store the product in a dry and sheltered place at a temperature anywhere between 5 and +35°C.

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Technical Information		
Colour	White-Gray	
Grain size	≤ 0,6 mm	
Density of hardened product	White version 1.56 kg / lt Gray version 1,58 kg / lt	
Mixing water white version	26%	
Mixing water gray version	28%	
Dough resting time	10 minutes	
Life time of the dough	3 hours	
Open time	White version 20 minutes Gray version 30 minutes	
Maximum thickness achievable	10 mm	
Walkability	24 hours	
Grouting wall joints	6 hours	
Grouting floor joints	24/48 hours	
Ready for use	14 days	
Operating temperature	-30 ÷ +90°C	
Application temperature	From 5°C to 35°C	
Packaging	25 kg,bag	
Consumption	2.5-4.5 kg / m <sup>2</sup>	
Essential characteristic with a dosage of water of 31%		Performances
Initial adhesion after 28 days	EN 1348	≥ 0,5 MPa
Adhesion after the action of heat	EN 1348	≥ 0,5 MPa
Adhesion after immersion in water	EN 1348	≥ 0,5 MPa
Adhesion after freeze / thaw cycles	EN 1348	≥ 0,5 MPa
humidity resistance		Excellent
Esistance to aging		Excellent
Resistance to solvents and oils		Excellent
Reaction to fire		Class F

## APPLICATION SHEET

### SUBSTRATE PREPARATION

Check that the surface to be laid is firm, clean, flat and normally absorbent. The substrates must be cured, dry and not subject to shrinkage after laying the covering. If the surfaces are excessively hot, it is best to spray them with water before applying MasterTile 410. Highly absorbent substrates and surfaces in gypsum or anhydrite must be treated with MasterEmaco P110, 6 hours before applying MasterTile 410.

### MIXIG

Do not start mixing MasterTile 410 if the ambient or substrate temperature is below + 5 ° C or above + 35 ° C and if temperatures around 0 ° C or even lower are expected in the 24 hours following application. Mixing should be done using a low speed mixer. MasterTile 410 white version should be mixed with

approximately 6.5 liters of water (26%), MasterTile 410 gray version should be mixed with approximately 7 liters of water (28%), for each 25kg bag, mixing should last 3-4 minutes until a homogeneous and lump-free mixture is obtained. Stop mixing for about 10 minutes to let the mixture "rest", then mix again briefly and proceed with the application.

### APPLICATION

MasterTile 410 must be applied in a maximum thickness of 10 mm using a notched trowel that has a toothed profile side of an appropriate depth and the other side with a linear profile.

Apply MasterTile 410, in the appropriate thickness on the laying surface, taking care to press the product well by making a first pass with the flat part of the trowel and immediately after scoring the material with the toothed side of the trowel; this operation allows the regularization of the support and the incorporation of any dusty residues

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that could make the adhesion of the glue problematic during the application phase of the flooring.

Before proceeding with the laying of the tile covering, check that a covering film has not formed on the surface of the applied MasterTile 410, in this case resume the area affected by the phenomenon with a little fresh MasterTile 410.

Then proceed to the positioning of the tiles by carefully beating them with a rubber hammer and spacing them, with suitable spacers, according to the width of the joints to be made.

When it is necessary to carry out applications in very busy areas, outdoors, with large formats (larger than 25x25), it is necessary to use the double coating of MasterTile 410 both on the support and on the back of the covering in order to guarantee the best adhesion and the back of the tile. .

In critical installation conditions such as large formats laid outdoors, laying of stone material that is not sensitive to humidity, critical environmental conditions, supports such as prefabricated or cast concrete, it is recommended to use MasterEmaco A latex in the MasterTile mix. 230.

## WARNINGS

Do not apply at temperatures below + 5°C or above +35° C, and if temperatures around 0°C or even below are expected in the 24 hours following application.

Do not apply on flimsy or crumbling substrates.

Do not apply on surfaces made of metal, vinyl, linoleum, wood, rubber, bituminous membranes.

Do not apply on frozen, thawing or frozen substrates for the next 12 hours.

Do not apply in full sun or in strong winds and / or on overheated surfaces.

Do not resume the mix with water once the setting phase has begun.

## SAFETY INSTRUCTION

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

## OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports and technical assistance, visit the website [www.master-builders-solutions.com/it-it](http://www.master-builders-solutions.com/it-it) or contact [infomac@mbcc-group.com](mailto:infomac@mbcc-group.com).

Scan the QR code to visit the product page and download the latest version of this datasheet.



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Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

**Master Builders Solutions Italia Spa**

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This version supersedes all the previous ones.