

## MasterTile SC 880

Premixed high-strength cementitious screed, medium-fast drying and normal setting to create anchored or floating screeds

### MATERIAL DESCRIPTION

MasterTile SC 880 is a pre-mixed gray cementitious screed with high resistance, medium-fast drying and normal setting. To create anchored screeds (minimum thickness 20 mm) or floating screeds (minimum thickness 35 mm) in indoor and outdoor environments. It can be pumped with a suitable machine.



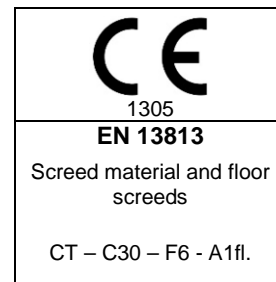
### MAIN FIELDS OF APPLICATION

MasterTile SC 880 has been designed to create a traditional-looking screed while taking advantage of the considerable advantages offered by a premixed product. In fact, MasterTile SC 880 combines a long workability time with high mechanical strength, drying in certain times, simplicity of preparation (it does not require the preventive procurement of aggregates) and excellent ease of processing.

It is suitable for the construction of heated floors without the need for the addition of fluidifying agents and can be worked with a pressure pump.

Suitable for practically all substrates, checking that they are stable and not subject to rising damp.

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 13813 and the relative DoP (Declaration of Performance).



### CONSUMPTION

Average consumption is 20 kg / m<sup>2</sup> per 10 mm of thickness.

### PACKAGING

MasterTile SC 880 is available in 25 kg bags.

### 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		
Color		grey
Density of hardened product		2.1 kg / lt
Mixing water		7.5%
Resting time of the dough		0 minutes
Life time of the dough		2 hours
Walkable after		12 hours
Recoatable with ceramic		after 1 g.
Recoatable with natural stone		after 2 days.
Recoatable with wood, rubber, carpet, vinyl (R.H. <2.0%)		after 4 days
Minimum application thickness for anchored screed		20 mm
Minimum application thickness for floating screed		35 mm
Permitted application temperature		From 5 ° C to 35 ° C
Packaging		25 kg bags.
Consumption		20 kg / m <sup>2</sup> per 10 mm of thickness.
Essential characteristic		Performances
Compressive strength	UNI EN 13892-2	24 h:>8.0 MPa 3 days:>21 MPa 7 days : >24 MPa 28 days > 30 MPa
Flexural strength	UNI EN 13892	24 h:>2.0 MPa 3 days > 3.5 MPa 7 days > 4.5 MPa 28 days:> 6..0 MPa
Reaction to fire	EN 13813	A1fl
Thermal conductivity	EN 1745	2,10 W/mK

## APPLICATION SHEET SUBSTRATE PREPARATION

a) If an anchored screed with a minimum thickness of 20 mm is to be created: after checking that the substrate is dry (RH less than 2%) clean and consistent and free of any substance that could affect adhesion, fix along the perimeter walls and pillars a strip of compressible material 5/7 mm thick, finally prepare the anchoring grout (it is possible to make the grout by mixing 1 part of MasterEmaco A230, 1 part of water and 2 parts of cement).

b) If you need to create a floating screed with a minimum thickness of 35 mm: after checking the residual humidity, spread waterproof sheets on the substrate (polyethylene, PVC, etc.) taking care to overlap them for at least 20 cm, finally fix along the perimeter walls and the pillars a band of compressible material with a thickness of 5/7 mm.

## MIXING

Do not start mixing the product if the ambient or substrate temperature is below 5 ° C or above 35 ° C.

MasterTile SC 880 must be mixed with approximately 1.90 liters of water per 25 kg. When using a cement mixer, mixing must be stopped when a “damp earth” consistency similar to that of a traditional screed is reached.

## APPLICATION

a) To create an anchored screed: prepare and spread the anchoring grout, taking care not to let more than 50 minutes pass between the laying of the grout and that of the screed, remember that you must work fresh on fresh. After having performed the level bands as for the application of a traditional screed, spread the mixed material, compact it and level it with a straightedge, finally finish with a trowel or better with a disc smoothing machine (helicopter); this allows to obtain an excellently finished surface. If the flooring to be applied requires a totally smooth support, instead of smoothing it is possible to apply a MasterTile SL 810 self-leveling compound. If the need arises to carry out a fill of between 2 and 30 mm on the screed, for example for errors in realizing the

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established quota, it is possible to use the MasterEmaco N 140 RS shaver.

b) To make a floating screed: proceed as described in point a), excluding the phase relating to the preparation of the anchoring grout.

## WARNINGS

Do not apply at temperatures below + 5 ° C or above + 35 ° C.

Do not apply on wet, frozen or frozen substrates in less than 24 hours.

Do not mix the product for more than 2 minutes, and do not exceed the recommended quantities of water.

Do not forget to insert a  $\varnothing$  5 mm metal mesh for at least 15 cm in the case of a casting in order to ensure that the product has the consistency of a single body.

It is possible to insert, both in the case of anchored screed and floating screed, an electro-welded mesh 20 x 20 with  $\varnothing$  5 mm rods. The insertion of the network will help to increase the characteristics of compactness, static nature and resistance.

In cases of overlapping of pipes and plant ducts, provide for the insertion of fine galvanized mesh in the screed.

Do not go below the minimum application thicknesses.

## 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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