

MasterTile SCA 890

Special binder for the realization of screeds, high resistance, controlled shrinkage with medium-rapid drying and normal setting.

MATERIAL DESCRIPTION

MasterTile SCA 890 has been designed for making screeds with medium-fast drying and controlled shrinkage as well as suitable for the subsequent laying of flooring, obtained by adding a suitable dosage of aggregate with a grain size of 0-8 mm on site.



MAIN FIELDS OF APPLICATION

MasterTile SCA 890 has been designed to create screeds for laying flooring as well as for creating heated floors without the need for the addition of fluidifying agents.

It can be worked with a pressure pump and is applicable practically for all stable substrates and not subject to rising damp

CONSUMPTION

For the mix design see the table.

PACKAGING

MasterTile SCA 890 is available in 20 kg bags.

STORAGE

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

Technical Information		
Colour		grey
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. <3.5%)		after 7 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		20 kg bags
Consumption		
Dosage and mix per cubic meter of final mix		
MasterTile SCA 890		190-220 kg/m ³
Aggregate 0-8 mm		1500-1700 kg/m ³
Water		100-120 lt
Dosage and mix for each bag of binder		
MasterTile SCA 890		1 sacco da 20 kg
Aggregate 0-8 mm		140-160 kg
Water		10-12 lt
Essential characteristic		Performances
Compressive strength	UNI EN 13892-2	7 days: >22 MPa 28 days:> 27MPa
Flexural strength	UNI EN 13892	7 days: > 4.5 MPa 28 days:> 4.5MPa
Residual moisture after 2 days		3.5%
Residual moisture after 7 days		2.0%

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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.

MasterEmaco SCA 890 must be mixed with washed sand with a maximum grain size of approximately 8 mm (normally used for making traditional screeds) to the extent of a bag of binder (20 kg) for every 150 kg of sand. If you mix in a cement mixer, after starting it, proceed by adding part of the sand and about 10-12 liters of water, then adding a lot of binder and completing the addition of sand up to the recommended amount, reaching the consistency of "damp earth". If using an auger mixer, add the sand to the started mixer and then a bag of binder and water in the respective quantities described above.

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 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 or contact 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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