

MASTERFLEX

Professional one-pack powder adhesive for fixing non-absorbent and large size tiles, with no vertical creep and extended open time

MASTERFLEX is a high-performance professional one-pack mixed binder adhesive in the form of a white or grey powder for fixing non-absorbent tiles on indoor and outdoor floors and walls, for fixing large formats and for over-tiling.

MASTERFLEX is suitable for fixing non-absorbent materials, natural stone and granite, vitrified material, porcelain stoneware and vitreous mosaic, for over-tiling and fixing large format tiles on outdoor floors and walls.

COMPOSITION

MASTERFLEX has been formulated with special high-strength cements, redispersible resins to increase the ability of the product to bond to the surfaces, selected aggregates and specific additives for improved application, to prevent cladding from slipping vertically and to extend the product's open time.

BLENDING AND APPLICATION

MASTERFLEX can be applied to conventional cementitious plaster, premixed cementitious plaster, cementitious screeds, also with floor heating systems, existing surfaces clad in tiles, slabs and natural stone, cured concrete.

Before applying MASTERFLEX adhesive, make sure that the surfaces are stable, clean and dry, free from oil, grease, that they are flat and normally absorbent. Apply a coat of PRIMER FLOOR to gypsum-based plaster and/or anhydrite screeds at least 4 hours before using MASTERFLEX adhesive. Old crumbling and poorly consistent cementitious plaster surfaces should be subjected to the same treatment.

Pour a 25 kg bag of MASTERFLEX into about 7 liters of clean water and stir at a low rate with a blender power tool until a homogeneous, lump-free mixture has formed. Allow the mixture to rest for about 10 minutes, then stir again briefly before use. Apply the adhesive in a layer up to 10 mm thick using a serrated trowel. Fix the cladding, leaving a gap of at least two millimeters between one tile and the next. Press down on the tiles so that contact between them, the adhesive and the wall or floor surface is as complete as possible. Make sure that a skin does not form on the surface of the adhesive applied while the tiles are being fixed as it prevents the adhesive from bonding perfectly to the tiles. This phenomenon mainly occurs during very hot weather or when the work is carried out in a strong wind. In such cases, it is advisable to remove the adhesive applied and to use "fresh" product if necessary.

Wait at least 24 hours before grouting the floor joints with JOINTFIX.

RECOMMENDATIONS

Apply at temperatures between +5°C to +30°C.

Do not apply the product to substrates that are frozen, thawing or if freezing temperatures are expected during the 24 hours after application.

Apply the adhesive in a layer no more than 10 mm thick.

Prevent the surfaces from drying too quickly by protecting them from strong wind, exposure to the sun or rainfall.

INDICATIVE AMOUNTS REQUIRED



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From 3 to 5 kg per sq m, depending on the number of layers or surface irregularities.

PACKAGES

25 kg bags on 1575 kg disposable pallets protected by wrap-around film.

STORAGE

Grey, 6 months in its unopened original package, sheltered from the damp.

White, 12 months in its unopened original package, sheltered from the damp.

TECHNICAL SPECIFICATIONS

PRODUCT DATA

Appearance:	premixed product in powder form
Colour:	white or grey
Volume mass of powder:	1100 kg/m ³
Dry solids:	100%
Max. size of aggregate:	0.6 mm

APPLICATION SPECIFICATIONS

Application temperature:	from +5 °C to +35 °C
Open time (at 20°C and 50% R.H.):	≥ 30 minutes
Pot life:	≥ 8 hours
Adjustability time:	≥ 30 minutes
Time before fixed floor can be used:	≥ 7 days
Water used for mixing:	~ 28%
Joints can be grouted and walked on after:	≥ 24 hours
Application thickness:	from 2 to 10 mm

TECHNICAL DATA

Volume mass of blended product:	1500 kg/m ³
Volume mass of set product:	1400 kg/m ³
pH of mixture:	~ 11
Fire reaction in accordance with EN 13501/1:	CLASS A1
Bonding to concrete slabs (28 days) EN 1348:	≥ 2 N/mm ²
CE marking:	in accordance with UNI EN 12004 C2TE

NOTES

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests conducted at 20°C with 50% R.H. and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark S.r.l. reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions.

Vimark S.r.l. possesses a Quality System certified in accordance with ISO 9001:2000 by MORGAN LLOYD Q.A. INTERNATIONAL with U.K.A.S. international accreditation number QAIC / IT / 90471.

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