

MFC MicroTerrazzo⁰⁵

fast hardening self-levelling screed for grinding floors with size of filler up to 0,5 mm



PRODUCT DESCRIPTION

MFC MicroTerrazzo is a fast hardening self-levelling based on cement, fillers and special additives. Is supplied as premixed dry mixture, which is mixed with water on the site.

USE

MFC MicroTerrazzo is designed for the preparation of highly aesthetic interior floor areas with subsequent treatment by grinding and polishing. It is suitable for areas with foot traffic, for example schools, business houses, offices, family houses, etc. MFC MicroTerrazzo is suitable as a final adjustment of the new and old concrete surfaces.

COLOUR DESIGN

MFC MicroTerrazzo is supplied in two basic colours – grey and white. More colour shades can be prepared according to the requirements of the customer.

BASE

The base must be stable, free of loose particles and grease (blasting, grinding, milling), and then removed the dust. The flexural strength of the substrate should be at least 1,0 MPa. Chuck holes and cracks in the substrate must be fixed a repair mortar (e.g.. MFC MFC Sanfix 200, MFC Ekopox 600).

PENETRATION

On the clean base is applied penetration MFC Primer 620, by brush or sprayer with water in a ratio of 1 : 5 for the first coating and 1 : 3 for the second coating. It is applied once or twice according to absorption capability of the base. On less stable or highly absorbent surfaces we recommend to use epoxy penetration MFC Ekopox 661 with the subsequent sanding of silica sand.

MIXING

The dry mixture is mixed shortly before application with drinking water in the ratio of 5–5.25 L/25 kg dry mixture (approximately 20–21 % of water). Mixing is done in a mixing vessel using mixing drill attachment. In the case of larger-scope works, you can use the mixing pump.

APPLICATION

Mixed product should be handled during 15–20 minutes. It is applied evenly in stripes to required level and carefully removed air bubbles. Care must be taken that the new material is applied as soon as possible to the case in order to ensure convergence. The required temperature of the substrate, the screed and the environment during application is determined in the range + 5 to + 25 °C.

TREATMENT

During the application and in the initial phase of hardening it is necessary to prevent a strong draughts and extreme temperatures. The surface must be protected from mechanical damage 48 hours after application, it is a seamless, but structural and expansion joints of the substrate must be produced by cutting within 24 hours.

SURFACE

Depending on the implementation conditions (usually within 24–72 hours) you can start grinding and polishing the surface. After these work the surface is treated suitable final coating.

TECHNICAL PARAMETERS

Thickness of layers in one step	8 mm min., max. 30 mm
Foot traffic	2–3 hours.
Hardening period (suitable for grinding)	1–3 days
Full operation	After 7 days
Compressive strength after 28 days	35 MPa min.
Flexural strength after 28 days	min. 7 MPa
Bond strength to the substrate	min 1,5 Mpa
Bulk weight of the mixture	approx. 2 100 kg/m ³
Specific shrinkage	max. 0,03 %
PH value	11
Flow-Ring test	155–165 mm

- the parameters of the material in the environment 23 °C and 50% relative air moisture

QUALITY

MFC MicroTerrazzo is prenamently checked during production by laboratory tests. The basic precondition for successful application is to follow the required technological procedures.

STORAGE

The material is packed in 25 kg paper bags and stores on wooden pallets (40 bags). Store it in a suitable environment, must not be exposed to moisture, extremely low or high temperatures.

WARRANTY

The guarantee period is 6 months from the date of production. The date of production is stamped on the package. The producer guarantees the declared properties and parameters of the product in compliance with the prescribed processes, however, does not provide any other warranty in the meaning of his improper handling and use.

WARNING

The product contains cement. The Cement reacts with water in an alkaline manner. Protect your eyes and avoid contact with the skin. When handling dry mixtures, there is the risk of inhalation of dust particles, we recommend that you use a protective mask when working. Eye contact rinse eyes do the stream of water and seek medical advice. Keep away from children.