

MFC TerrazzoSealer

Impregnating and sealing agent
for cement surfaces and natural stone

PRODUCT DESCRIPTION

MFC TerrazzoSealer is a special preparation on the basis of solvents that contains silane and siloxane for impregnating and sealing surfaces with excellent resistance to water and oils.

PROPERTIES

MFC TerrazzoSealer is designed as protective impregnation that reduces the penetration of water, fluids, grease, oil and other contaminants. It is especially intended to be used for finishing surfaces made of MFC Terrazzo CP, MFC MicroTerrazzo 10 and MFC MicroTerrazzo 25. It may also be applied to all grinded and non-grinded concrete floors, as well as natural or artificial stone. Active ingredients are resistant to UV radiation and non-yellowing.

BASE PREPARATION

The surface to be treated must be dry (moisture <4 % CM) and free from any impurities. The good function of the product depends on the properties of the foundation material and the level of surface absorption. The level of protection from contamination may differ in relation to the material and the surface finish. The appearance of the surface may change to various extent and the product may considerably change the surface colour according to the ability to absorb water. If you would like to know the extent of the change in the surface colour, test the product separately on the same surface. We recommend first applying MFC TerrazzoPrimer to highly absorbent surfaces or wherever a change in the surface colour is not desirable. To determine how much the surface color is highlighted, make a separate sample. For highly absorbent surfaces or where a change in surface color is undesirable, we recommend using MFC TerrazzoPrimer first. Never stick adhesive tape on the surface. After it has been torn off, the rest of the adhesive may remain on the surface and the impregnation will not adhere to the surface at this point.

APPLICATION

Apply the impregnation using a high-pressure sprayer with a suitable nozzle (we recommend 0.1/110°) and spread it immediately using a short-hair microfibre mop. Repeat the application two or three times when the surface is highly absorbent. The individual layers should be applied every 30–60 minutes. The surface must be saturated with MFC TerrazzoSealer (it creates a thin, slightly sticky film). After about 2–10 minutes, polish the excess product into the surface using a single-disc machine (low or high-speed) with a single pad (white). It will create a nice and uniform shiny film. Do not allow excess product dry out on the surface. Avoid direct sunlight during the application / process. The surface temperature should be between +10 °C to +30 °C (5– 86 F). Turn off floor heating. Avoid direct surface contact with moisture until the preparation has completely cured and is resistant to water.

CONSUMPTION

The following consumption values for a single layer are estimated in relation to the surface absorption and the fineness of the final polish. The second application reduces consumption by about a half.

Estimated consumption for MFC terrazzo floors:

MFC Terrazzo CP, MFC MicroTerrazzo 10 and
MFC MicroTerrazzo 25: approx. 50 m²/l/layer

Estimated consumption for concrete:

Ground/polished concrete surfaces: approx. 20 – 50 m²/l/layer
Coarse/not ground concrete surfaces: approx. 10 – 20 m²/l/layer

DRYING TIME

The resistance to water and oil starts to show after 2 to 3 hours. The surface is completely cured and ready to be exposed to load after 24 to 48 hours. It is possible to walk on the surface after approx. 6 to 7 hours. Do not cover the surface with PE foil or other vaportight material, the surface of the impregnation could be damaged due to condensation! If you need to cover the surface, use geotextile.

CLEANING

Protect any nearby surfaces sensitive to solvents from contamination. Remove any excess material before curing. Clean the used tools with a thinner or alcohol. Do not use cellulose thinner or acetone.

PACKAGING

The MFC TerrazzoSealer is filled in 5L and 10L PE canisters. Larger packaging is available on request.

STORAGE

Store in closed packaging, in covered dry warehouses with sufficient ventilation and temperature of +10 °C to +30 °C. Open canisters should be worked up as soon as possible.

WARNING

The product contains solvents (ethanol). The product is free of hydro-carbons. Do not pour / discharge the product into the sewerage system, surface and underground waters. WGK 1 weakly water-polluting. European waste code: 080111. Product residues are classified as hazardous waste. Completely emptied packages may be accepted for recycling at waste recycling stations.

SAFETY

MFC TerrazzoSealer is non-toxic after curing. Provide good ventilation during the process of curing.

Composition: toluene, methanol, trimethoxy(methyl)silane

Labelling according to European Regulation 1999/45/EC: F, highly flammable. Keep out of reach of children. Keep away from sources of ignition – no smoking. Do not inhale gas / smoke / vapour / aerosols.

If swallowed, seek medical help immediately and show the packaging or denomination. Only use in well-ventilated area.

Identification code for transport under ADR2005/GGVSE:

PU	PU-marking	Documents for transport
a	Třída 3, UN 1170	ANO, UN 1170, Class 3, PG II, ethanol solution

WARRANTY PERIOD

The warranty period is 12 months after the production date. The production date is indicated on the packaging. The manufacturer guarantees the declared properties and parameters of the product provided that the prescribed technological procedures have been observed, however, but does not provide any further guarantees in terms of its improper processing and use.

