

Product

DUROGLASS FU MALTA

code 4521 9006
9273 0000
8224 0000

WATERPROOF MORTAR BASED ON EPOXY RESIN IN AN AQUEOUS DISPERSION, HYDRAULIC BONDING AGENTS AND SELECTED SILICEOUS INERTS

Features

- Adheres structurally to concrete, brick and stone materials, even when damp.
- Thickness from 2 mm to 10 mm can be achieved in one or two applications.
- Resists water counterpressure up to 7 bar.
- Waterproofs and protects the surfaces treated from aggressive solutions.
- Applicable from +5°C to +45°C with relative humidity of < 90% on the support.
- Operating temperature from -35°C to +100°C.

Application field

- Smoothing, waterproofing and protection of decayed and uneven concrete surfaces with exposed inerts, loose stone foundations and new cast zones.
- Smoothing of sprayed concrete surfaces.
- Smoothing and anti-damp treatment of brick and stonework prior to plastering.
- Repairs to damaged cement floors.
- Coverings for tanks, basins, ducts and concrete tunnels for the collection and conveyance of water, including drinking water and urban waste.

Application

Three component product (A, B and C), to be mixed as follows prior to use:

- Mix A with B and dilute with 8-10% in weight of water, calculated for the total product.
- Add powder C and mix with an agitator, cement mixer or planetary concrete mixer.

The mortar obtained is applied by spraying, using cement product spraying equipment such as TURBOSOL or PUTZMEISTER.

If trowelling operations are necessary, reduce the quantity of water to obtain the required consistency. In special cases, brush application is possible, by reducing the dilution.

Where necessary, the product may be smoothed over with a sponge trowel. Prior to treatment, the surfaces should be cleaned with a high pressure water jet to obtain a well roughened support.

The application may take place on dry or damp surfaces, provided there is no free flowing water. Do not use in the presence of condensation and if there is the risk of rain. The tools used on the process should be carefully washed with water.

DUROGLASS FU MALTA may be used alone or coated with epoxy or elastomer cycles.

Technical data

Color	grey
Specific weight	2.0 ± 0.07 Kg/l
Pot life at 22°C	45 minutes
Consumption	2.2 Kg/m ² /mm
Hardening at 22°C, RH 50%	- dry to the touch 4 hours - insensitive to rain 5 hours - ready to be covered 72 hours minimum - completely hardened 28 days
ASTM D 4541 adhesion to concrete	> 3 MPa or break of concrete.
UNI EN 196-1 compression resistance*	55 ± 2 MPa
UNI EN 196-1 flexion resistance*	12 ± 1 MPa
UNI 9177 fire reaction	Class 1
Storage	If kept in the original sealed packs in a dry, protected place at temperatures of +5°C to +35°C, the product will keep for 12 months. Avoid frost.

* Samples seasoned for 72 in moulds and 25 days in air at 22°C, RH 60%.

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM (substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers the quality and productions standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.