

Product

DUROGLASS FU AUTOLIVELLANTE

cod. 452A 9006
9278 0000
8324 0000

SELF-LEVELLING MORTAR, WITH HIGH RESISTANCE, EPOXY RESIN BASED IN AQUEOUS DISPERSION AND HYDRAULIC BINDERS

Features

- Easy to lay and with excellent self-levelling properties.
- Rapid hardening.
- High mechanical properties.
- Structural adherence to concrete even if damp or with counterthrust.
- Resistant to thermal shocks.
- Applicable on support from +5°C to +35°C.
- Operating temperature from -35°C to +100°C.

Application field

- Layer of self-levelling covering.
- Layer of surface restoration when repairing cement floorings.
- Levelling substrate before applying resinous coverings.
- Fixing layer for anti-wear aggregates when making multi-layers.

Product with three components to be mixed thoroughly before use with mechanical stirrer, operating as follows:

Application

- Mix component B with component A with mechanical stirrer.
- Stir in component C and mix until complete homogeneity is reached for 5 minutes, let rest for 5 minutes and stir again.
- Never add water.

The product thus prepared is ready to use for applications in thicknesses from 3 to 7 mm with rapid spreading by trowel and careful passage of bubble-breaker roller.

If greater thicknesses are desired in specific zones (max 30 mm), fill with 2-3 mm quartz increasing the quantity in proportion to the thickness until a maximum ratio is reached of 1 part in weight of the product and 0.5 parts in weight of quartz.

The surfaces must always be prepared by shot peening or scarification and must be free of dust, friable, uneven or contaminated layers and have a tensile strength of not less than 1.5 MPa.

Only in the case of very dry and absorbent surface, apply as a precaution STARCEMENT 5/A diluted 1:1 with water with a consumption of 100-150 g/m² of mixture. If "bottle-neck" holes are present the surface must be previously levelled before proceeding to apply the foreseen quantity.

DUROGLASS FU AUTOLIVELLANTE is preferably to be covered with a resinous layer, observing over-application intervals in accordance with the products used and the hygrometric conditions of the substrate, as well as the temperature and humidity of the environment.

For DUROGLASS P or epoxy in water the minimum interval before over-application in normal conditions should be at least 24 hours, while in temperature conditions below 15° C and with humidity in the substrate the interval should be increased to a minimum of 48 hours.

For all other epoxy resin or polyurethane based cycles the minimum interval in normal conditions should be at least 48 hours, while in temperature conditions below 15° C and humidity in the substrate the interval should be increased to a minimum of 96 hours.

NOTE: Applications of DUROGLASS FU AUTOLIVELLANTE must be made in well-defined straight lines and should preferably correspond exactly to the separating joints of the cement flooring. When applying alongside an already hardened surface, tape the latter to avoid ungainly risings. The application lines thus obtained should be cut and sealed with STARMASTIC P 95 or STARMASTIC SK 13.

Technical data

Color	grey
Specific weight	2.15 ± 0.1 Kg/l
Texture	Fluid mortar
Pot life 22°C	25 minutes
Consumption	2.15 Kg/m ² /mm
Hardening at 22°C, 50% RH	<ul style="list-style-type: none"> - dry to touch 6-7 hours - walkable with care 16 hours - trafficable with care 24 hours - completely hardened 28 days - over-application minimum 24 hours
Resistance to compression* UNI EN 196-1	<ul style="list-style-type: none"> 24 hours 35 ± 5 Mpa 3 days 50 ± 5 Mpa 28 days 65 ± 5 MPa
Resistance to bending* UNI EN 196-1	<ul style="list-style-type: none"> 24 hours 7 ± 1 Mpa 3 days 9 ± 1 Mpa 28 days 17 ± 1 MPa
Elastic module UNI 9556	25,000 ± 2,000 MPa
Adherence to concrete UNI 9532	> 3 MPa or breakage of concrete
Surface tensile strength ASTM D 4541	> 3 MPa
Reaction to fire UNI 9177	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.
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*Samples cured up to 72 hours in mould and then in the air at 22°C, 60% U.R.

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.