

Product

DUROGLASS FU RAPIDO

cod. 4524 M100
9075 0000

SPECIAL 2 COMPONENTS PRIMER BASED ON EPOXY RESINS AND SPECIAL HARDENERS.

Features

- Gains structural adhesion on both compact, close grained or porous construction materials, even if humid and non completely cured concrete (green concrete).
- Forms an effective barrier when having water in back pressure.
- Forms a waterproof layer.
- Perfect substrate sealer.
- Can be over coated with both transpiring or water and vapor proof coating systems.
- Cures perfectly at temperatures close to +5°C and very high R.H.
- The fast curing time at temperatures close to 20°C, allows several daily over applications.
- After complete curing and hardening, finished with suitable finishing coats, it resists to 10 bar water back pressure.
- Application temperature from +5°C to + 30°C of the substrate.
- Operating temperatures from -35°C a +110°C.

Application field

- Wide range multi-purpose adhesion enhancer. This primer is compatible with severe concrete conditions (temperature, humidity).
- Suitable for the treatment of humid concrete substrates and the over-coating with
 - floor coatings
 - seam-less waterproofing systems
 - anticorrosive rigid and elastic coatings.
 - Hydraulic concrete structures like tubes, canals and water reservoirs.
- Suitable for sealing porous concrete by roller or trowel sealing of cementitious substrates.
- Concrete sealer prior to the application of self-levelling systems.
- Gains perfect direct adhesion to ceramic tiles without mechanical preparation. Useful for any over-coating verifying suitable primers depending on the system used.

Application

2 component compound to be mixed prior to use.

Mix thoroughly with a low speed mechanical mixer. For application typical painting equipment such as rollers, brushes and spraying equipment may be used. The product can diluted by 12-18% in weight with water. Depending on the use the product may be added with quartz 0,06÷0,25 or 0,1 ÷ 0,5. Dilution and quartz adding must be done always after mixing A+B.

Consumption rate is 500-1000 g/m² making sure that areas with greater absorption rate should be treated again.

Prior to application substrates to be treated must be sound and clean and dry and free from debris and dust, with a traction resistance to pull-off tests >1,5 MPa. In case of new substrates these should also be

mechanically prepared. In case of surface contamination or crystal salt presence, dry mechanical preparation is imperative.

For over casting epoxy mortars or cement grouts make sure over casting is done on the freshly applied primer and always in the correct time interval shown on the data sheet.

For the use with self-levelling mortars and multi-layers sprinkle on the fresh primer as follows:

For rough substrates the product can be troweled, adding quartz as described above, building up to 5mm thickness. On the fresh product quartz may be sprinkled within 20 minutes. Coatings that are compatible for direct over-coating od DUROGLASS FU RAPIDO, should respect over-coating terms.

Water condensation on the surface should be avoided while the product is hardening.

After use all equipment can be washed with alcohol or water or a mix of the two.

Technical data

Color	dark grey
Specific weight UNI EN ISO 2811-1	1.6 ± 0.03 Kg/l
Pot life at 22°C-300 ml UNI EN ISO 9514	45 ± 7 minutes
Mixing ratio	100 parts by weight of base 100 parts by weight of hardener
Thickness	365 micron per 700 g/m ²
Hardening at 22°C, 50% RH	- dry to the touch 2 hours - insensitive to water 3 hours - over-application 4 hours - fully hardened 15 days
Adhesion to concrete ASTM D4541	> 3,5 MPa or breakage of concrete
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.

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.