

Product

DUROGLASS SUB

cod. 4580 M300
9190 0000

TIXOTROPIC EPOXY FORMULATION FOR REPAIRS AND COVERINGS UNDER WATER.

Features

- Elastic, tenacious, waterproof mass, resistant to marine fauna and vegetation.
- Hardens under water and adheres powerfully to steel or concrete supports.
- Highly tixotropic for ease of laying operations in the repair of concrete structures.
- Can be applied from +5°C to +40°C.
- Operating temperature from -25°C to +45°C (in water).

Application field

- Protective covering for steel structures in seawater.
- Plastering, restoration and covering of concrete structures in fresh and salt water.

Application

Two part product to be mixed immediately prior to use in a ratio of 1:1 in volume.

The dense, tixotropic product is taken from its packaging with wet hands and mixed while keeping the hands wet to stop it from sticking. The base and hardener are supplied in different colours to simplify the checks on the perfect mixture.

Balls of paste are obtained in this way which can be passed on to the underwater worker for manual application, by pressing the paste against the surface and adapting it to the thicknesses required.

The surfaces to be treated should be cleaned of vegetation and prepared by sanding or water jet to eliminate all traces of sludge and brittle and non-adherent parts.

Steel surfaces should be treated immediately after sanding at level Sa2½ or WJ 2 water jet.

When covering steel, the thickness should be no less than 4 mm.

The product is washed off the tools and skin with water and a cleansing agent.

Note: for fresh water applications, the thicknesses should take into account the possible formation of 1-2 mm of surface roughness.

Technical data

Color	Green, blue
Specific weight	1.55 ± 0.03 Kg/l
Mixing ratio	100 parts by weight or volume of the base (white) 100 parts by weight or volume of hardener (green or blue)
Pot life at 22°C	40 minutes
Theoretical consumption	1.60 Kg/m ² per mm of thickness
Hardening at 22°C	- dry to the touch 4 hours - completely hardened 7 days
ASTM D 4541 adhesion to concrete	> 3.5 MPa or breakage of concrete
ASTM D 4541 adhesion to sanded steel	> 7 MPa
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.

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.