

Product

DUROGLASS FU 49

code 4001 9006
9610 0000

SURFACE TOLERANT PRIMER FOR EPOXY RESIN BASED CARBON STEEL AND POLYAMINE AMIDE HARDENER WITH ZINC PHOSPHATE AND MICA-BASED IRON OXIDE.

Features

- Applicable from 80 to 200 microns per layer.
- High resistance and flexibility.
- Good resistance to aggressive atmospheres.
- Excellent corrosion inhibiting properties.
- Applicable to damp surfaces.
- Applicable to carbon steel surfaces prepared manually, even in the presence of compact rust and old resistant paint.
- Adheres to new and corroding galvanised steel.
- Hardens from +5°C even in the presence of high atmospheric humidity (RH 100%).
- Applicable from +5°C to + 35°C.
- Operating temperature from -25°C to +120°C in air.

Application field

- Thick anti-corrosion based for the maintenance and protection of carbon and galvanised steel structures in industrial and marine environments.
- Intermediate layer on galvanising primers.

Application

Two component product, to be mixed at the time of use, applicable as presented or diluted with STAR 21 thinner, applied by brush, roller or airless with 0.021" - 0.025" nozzles at a pressure in the region of 200 bar.

In the maintenance of old paint and on oxidised carbon steel, the surfaces to be treated have to be cleaned in accordance with SSPC-SP3 to level St3 and should be free of saline pollution. Any old paint that is not removed should have a good level of adhesion and the crumbling and fragile parts of rust should be removed.

Cleaning can also be carried out with a jet of water, in accordance with SSPC-SP12, to level WJ 4, WJ 3, WJ 2.

New galvanised steel surfaces should be degreased if necessary, and carbon or oxidised surfaces should be brushed to eliminate any dust or non-adherent parts.

In this case too, cleaning with a water jet is possible.

For the final coat, apply 40-80 microns of POLISTAR E in the shade required.

Tools should be washed after use with STAR 21 thinner.

Technical data

Color	Aluminium grey
Specific weight	1.34 ± 0.04 Kg/l
Mixing ratio	100 parts by weight of base 33 parts by weight of hardener
Viscosity at 20°C	5,000 ± 2,000 mPa.s
Pot life at 22°C	3 hours
Solids	80%

Theoretical consumption per coat	340 g/m ² per 200 microns (use DUROGLASS FU 49 diluted with 2% max of DILUENTE 21 thinner) 135-170 g/m ² per 80-100 microns (use DUROGLASS FU 49 diluted with 5% max of DILUENTE 21 thinner)								
Hardening at 22°C, RH 50%	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">- dry to the touch</td> <td style="width: 40%;">3 hours</td> </tr> <tr> <td>- hardened in depth</td> <td>12 hours</td> </tr> <tr> <td>over-application with itself</td> <td>6 hours minimum, unlimited max,</td> </tr> <tr> <td>with POLISTAR</td> <td>12 hours minimum, unlimited max</td> </tr> </table>	- dry to the touch	3 hours	- hardened in depth	12 hours	over-application with itself	6 hours minimum, unlimited max,	with POLISTAR	12 hours minimum, unlimited max
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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.