

Product

DUROGLASS R 16

cod. 4552 M600 / 4552 M430
9185 0000

ATOXIC COAT BASED ON EPOXY RESINS WITH HIGH CHEMICAL RESISTANCE, SUITABLE FOR CONTAINING ALIMENTARY SUBSTANCES IN COMPLIANCE WITH MINISTERIAL DECREES 21/3/73, 2/12/78 AND 26/4/93

Features

- Suitable for containing wine, beer, oil, milk, alimentary conserves, drinking water.
- 300 microns may be applied per coat.
- Smooth, shiny, easy-to-clean surface.
- Suitable for containing all types of fuel and mineral oils.
- High chemical resistance to acid and alkaline solutions.
- Applicable in closed or poorly ventilated environments.
- Applicable from + 3°C to +40°C.
- Operating temperature from -20°C to +90°C (in the air), + 50°C (in water).

Field of application

Protection of reservoirs, tanks, piping, concrete and carbon steel conduits:

- wine and alimentary industry, aqueducts;
- fuel stores;
- sewers, ditches, purification plants.

Application

Bi-component product to mix at moment of use and apply with brush, roller or airless as it is without any dilution.

For airless application use pumps able to provide pressures of at least 200 bars 0.021" - 0.025" nozzles.

In the coldest months dilute with 2-3% pure ethylic alcohol.

Concrete surfaces must be unbroken, dry, without parts that are friable, powdery or contaminated by mould or extraneous substances. In such cases prepare surface with sandblasting or hydro-jet.

To restore smooth surface to the last millimetre use PLASTOSTAR B/E which adheres even to old coatings provided they are thoroughly sandblasted.

In any case, before applying DUROGLASS R 16, always apply a layer of DUROGLASS FU BIANCO TIX, taking into account the recommendations on the technical schedule in case of damp surfaces or counter-pressures.

Steel surfaces should be sandblasted according to SSPC-SP10 at the Sa2½ grade and treated with a preventive layer of DUROGLASS FF 4416.

Tools should be washed immediately after use with STAR 21 thinner.

Technical specifications

Colour	red, ochre
Specific weight	1.53 ± 0.02 Kg/l
Mixing ratio	100 parts in weight of base 30 parts in weight of hardener
Viscosity 20°C	21000 ± 7000 mPa.s
Useful life 22°C	2 hours
Theoretical consumption	500 g/m ² per coat
Thickness	300 microns per coat
Dry residue	95% in weight, 90% in volume
Hardening at 22°C, 50% U.R.	- dry to touch 10-12 hours - over-application minimum 3 hours Maximum 10 hours - completely hardened 7 days
Storage	If kept in the original packaging, sealed, in a dry and protected place, at a temperature between +5°C and +35°C the product will keep for 12 months.

PRINCIPAL CHEMICAL RESISTANCES

Surfaces treated with DUROGLASS R 16 resist against continuous contact with acidic and alkaline substances, aggressive fumes and vapours. We give below a list of some of the most common aggressive substances to which DUROGLASS R 16 resists excellently.

Sodium hydrate 10%	50°C	Sulphurous anhydride 2%	40°C
Sodium hydrate 50%	50°C	SO ₂ vapours	35°C
Potassium hydrate 10%	50°C	Ethylic alcohol 25%	40°C
Potassium hydrate 50%	50°C	Distilled water	50°C
Hydrochloric acid 5%	50°C	Sea water	50°C
Hydrochloric acid 15%	35°C	Sodium chloride 15%	50°C
Sulphuric acid 5%	50°C	Sodium carbonate 15%	50°C
Sulphuric acid 25%	35°C	Ammonium chloride 10%	50°C
Phosphoric acid 15%	50°C	Molasses	50°C
Phosphoric acid 50%	35°C	Olive oil	50°C
Acetic acid 7%	30°C	Seed oil	50°C
Tartaric acid 10%	35°C	High-octane petrol	35°C
Citric acid 10%	35°C	Kerosene	40°C
Lactic acid 10%	35°C	Diesel fuel	40°C

The data and prescriptions contained in this schedule, based on the best practical and laboratory experiences, are to be considered in any case indicative. Given the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical direction of application, etc.) those intending to use the product are held to establish whether it is suitable or not for the intended use. Our guarantee extends only to the quality and consistency of the finished product with the data given above, and only for technical schedules bearing the stamp and countersignature of the personnel delegated by our offices. The customer is further held to verify that these values are valid for the product batch concerning him and have not be updated and/or substituted by subsequent issues and/or new formulations. The data contained may vary at any moment without any obligation on the part of MPM to give prior notice.