

Product

DUROGLASS R 16/FA

code 4555 M520
9189 0000

THICK COATING BASED ON EPOXY RESINS AND ALIPHATIC HARDENING AGENTS, SUITABLE FOR CONTAINING WATER AND SOLID SUBSTANCES

Features

Suitable for containing water, including chlorinated water.
Polished appearance, easy to clean and maintain.
Good chemical resistance to acids and alkalis.
Good mechanical properties.
A single layer with a thickness of 300 microns can be obtained.
Support application temperatures from +15°C to +45°C.
Operating temperatures from -20°C to +45°C in immersion (+90°C in air).

Application field

The inner covering of tanks, ducts and plant for the storage and conveyance of water.
The inner covering of silos for the storage of solid products.

Application

The product consists of two components which have to be mixed carefully at the time of use and applied undiluted by means of a brush, roller or airless applicator.
For airless application, use pumping systems capable of achieving pressures of at least 200 bar, with 0.021"-0.025" nozzles.
During the cold season, add 2-3% of DILUENTE 21 thinner.
DUROGLASS R 16/FA is applied to concrete prepared by sand blasting or water jet and treated with DUROGLASS FU BIANCO TIX or DUROGLASS FU MALTA.
For application to damp surfaces and in counter-thrust, follow the instructions in the relevant technical note.
Carbon steel surfaces should be sand blasted to grade Sa 2½ and treated with DUROGLASS FF 4416.
Immediately after use, wash the tools thoroughly with DILUENTE 21 thinner.

NOTE: if two layers of product are to be applied, always operate at temperatures greater than 15°C and a relative humidity of less than 70%.

Technical data

Color	White, ivory, grey, green and pale blue (white may yellow slightly following exposure to the light)
Specific weight	1.43 ± 0.02 Kg/l
Mixing ratio	100 parts by volume of base 33 parts by weight of hardener
Viscosity at 20°C	16,000 ± 4,000 mPa.s
Solids	98% in weight, 96% in volume
Pot life at 22°C	60 minutes
Theoretical consumption	450 g/m ² per coat

Thickness	300 microns per coat						
Hardening at 22°C, 50% RH	<table> <tr> <td>- touch dry</td> <td>8 hours</td> </tr> <tr> <td>- over coating</td> <td>6 hours minimum, 24 hours maximum,</td> </tr> <tr> <td>- hard dry</td> <td>10 days</td> </tr> </table>	- touch dry	8 hours	- over coating	6 hours minimum, 24 hours maximum,	- hard dry	10 days
- touch dry	8 hours						
- over coating	6 hours minimum, 24 hours maximum,						
- hard dry	10 days						
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.						

CHEMICAL RESISTANCE AT 25°C FOR 30 DAYS

Hydrochloric acid	15%	excellent
Sulphuric acid	20%	excellent
Nitric acid	2%	excellent
Acetic acid	3%	excellent
Lactic acid	3%	excellent
Sodium hydrate	25%	excellent
Hydrogen sulphide, atmosphere	100% RH	2% excellent
Sulphur dioxide, atmosphere	100% RH	2% excellent
Ammonia	10%	excellent
Vegetable oils		excellent
Mineral oils		excellent
Detergent solution for washing machines	2%	excellent

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.