



Product

DUROGLASS R 16/FA CONDUCTING

code 45551

Features

**THICK COVERING BASED ON EPOXY RESINS AND ALIPHATIC HARDENERS
SUITABLE FOR CONTACT WITH SOLID FOODSTUFFS IN ACCORDANCE WITH
THE MINISTERIAL DECREES OF 21/3/73, 2/12/78 AND 26/4/93**

- High electrical conduction, avoiding the build-up of electrostatic charges.
- Brilliant finish, easy to clean and maintain.
- Good chemical resistance to acids and alkalis.
- Good mechanical performance.
- A thickness of 400 microns can be obtained with a single layer.
- Application temperature from +15°C to +45°C.
- Operating temperature from -20°C to +45°C in immersion (+90°C in air).

Field of
application

Internal covering of grain silos and containers for solid foodstuffs, including inflammable products.

Application

Two component product to be mixed carefully at the time of use. Can be applied by brush, roller or airless spray, as presented or diluted with 2-3% of STAR 21 thinner.

For airless spray application use pressures in the region of 150 bar with 0.029"-0.031" nozzles. Avoid using filters.

By way of preparation for application to concrete, DUROGLASS R 16/FA CONDUCTING requires DUROGLASS AS at 200 g/m², or smoothing over with DUROGLASS AS where necessary.

Carbon steel surfaces should be sanded to level SA2 ½ and treated directly.

For thicknesses in excess of 400 microns, which will require two coats of product, it is essential to work wet on wet, with an over-application interval of 2 to 3 hours. Otherwise, the conduction properties will be drastically reduced.

Wash the tools immediately after use and thoroughly with STAR 21 thinner.

Before using the covered surfaces, these have to be thoroughly hardened and well aired.

Technical
specifications

Colour	White, ivory, grey, green and pale blue (white may yellow slightly following exposure to the light)
Specific weight	1.42 ± 0.03 Kg/l
Mixing ratio	100 parts in base weight 33 parts in weight of hardener
Useful lifetime at 20°C	60 minutes
Viscosity at 20°C	15,000 ± 3,000 mPa.s

Dry residue	98% in weight, 96% in volume
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Theoretical consumption	450-600 g/m ² per coat								
Thickness	300-400 microns per coat								
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%;">8 hours</td> </tr> <tr> <td>- over-application</td> <td>2 hours minimum</td> </tr> <tr> <td></td> <td>3 hours maximum</td> </tr> <tr> <td>- completely hardened</td> <td>10 days</td> </tr> </table>	- dry to the touch	8 hours	- over-application	2 hours minimum		3 hours maximum	- completely hardened	10 days
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UNI 8298 p.10 surface electrical resistance and through the covering	0.3-1 M Ω								
Storage	When kept in the original sealed packs in a dry protected place at temperatures from +5°C to +35°C the product will keep for 12 months.								

CHEMICAL RESISTANCE AT 25°C FOR 30 DAYS

Hydrochloric acid	20%	excellent
Sulphuric acid	30%	excellent
Nitric acid	2%	excellent
Acetic acid	3%	excellent
Lactic acid	3%	excellent
Sodium hydrate	25%	excellent
Hydrogen sulphide in RH of 100%	2%	excellent
Sulphur dioxide in RH of 100%	2%	excellent
Ammonia	10%	excellent
Vegetable oils		excellent
Mineral oils		excellent
Fuel oils		excellent
Detergent for washing machines	2%	excellent

The figures and information contained in this schedule are based on the best practical experience and laboratory testing, but should be regarded as guidelines only. Taking the conditions of use and factors outside the control of MPM into account (type of support, weather conditions, laying methods, etc), the customer should check to ensure that the product is suitable for the type of use before proceeding. Our guarantee is limited to the quality and consistency of the finished product on the basis of the information set out above, and provided the technical schedules are stamped and signed by our authorised representative. The customer should also ensure that the information is valid for the batch of product to be used, and that this has not been rendered obsolete by later editions or the introduction of new formulations. The information set out above is subject to alteration by MPM without notice.