

MIPROGLASS 101

GLASS FLAKE FILLED COATING



CHEMIPROTECT ENGINEERS

DESCRIPTION

A series of medium duty polyester, vinyl ester, Epoxy resin base coating designed to protect steel and concrete work against atmospheric corrosion and the exterior surfaces of tanks and process plant against the splashing and spillage of chemicals.

Each of the MIPROGLASS 101 coatings is reinforced with properly graded glass flakes, which lie parallel to the substrate thereby offering excellent resistance to permeation, corrosion, abrasion, physical abuse and thermal shock.

MIPROGLASS 101 (I, B, V series coatings will withstand gas temperatures up to 120 C, and can be used in immersion service at ambient temperatures.

All the MIPROGLASS 101 series coatings can be applied by brush or by spray, they are approx. 90-100% solids, and cure at ambient temperature.

The recommended thickness is approx. 400-500 microns and this is obtained in one primer and two to four coats depending on different application environment.

MIPROGLASS 101 series linings are formulated from one of these 5 high performance resins: -

MIPROGLASS 101 I	Isophthalic polyester
MIPROGLASS 101 B	Bisphenol polyester
MIPROGLASS 101 V	Vinyl ester
MIPROGLASS 101 SV	Vinyl ester – superior grade
MIPROGLASS 101 E	Epoxy
MIPROGLASS 101 E (HYB)	Hyb. Epoxy

CHEMICAL RESISTANCE

For information on the chemical resistance of each of these grades please contact CHEMIPROTECT ENGINEERS Corrosion Resistance Guide, under the appropriate code letter.

PRACTICAL COVERAGE

COMPONENT	QUANTITY REQUIRED PER SQUIRE METER
MIPROGLASS PRIMER VE OR E	Approx. 0.20 Kg. (one coat)
MIPROGLASS 101 I.B.V, SV, E, E (HYB)	Approx. 0.750 Kg. (two or more coats)
CATALYST	As mention on packing
CLEANER	As required

Consumption may vary depending upon surface roughness, porosity, application method etc.

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ABRASION & CORROSION ENGINEERS

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PACKAGE SIZES

MIPROGLASS PRIMER VE OR E	5 Kg., 20 Kg...
MIPROGLASS 101 lining	5 Kg., 20 Kg.
Catalyst A	Corresponding quantity of Resin in std. Pack
Cleaners	5 Kg., 25 Kg.

COLOURS

The standard colors available are red, green, gray, off white, but other colors are available to special order.

APPLICATION

Please request Surface Preparation and Installation Data sheets for specific advice.

CURE

Cure times will vary with ambient temperatures and quantity of catalyst used. Typically they can be over coated within 2-3 hours and are hard in 4-8 hours.

The coating will not be fully cured until about 72 hours after application but can go into light duty service after 24 hours.

GENERAL INFORMATION

% Solids by Volume	: Theoretical 98% at time of mixing. Practical typically 80% + 5%. All Vinyl/polyester resin systems are subject to monomer loss and material Shrinkage during application and curing.
In microns per coat	dry: 180-200
Recommended Cleaner	: Cleanser No.1 Cleaning only. Thinning not recommended.
Overcoating Times	: Indefinitely over coatable (if clean and dry).
Shelf Life	: 4-6 months at 25°C.

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