

MIPROGLASS 201

GLASS FLAKE FILLED LINING

DISCRIPTION

A series of intermediate to heavy duty linings (or coatings) which can be applied to steel and concrete, to offer long term protection against corrosion and physical abuse.

These systems consist of a troweled applied base coat over a primer coat and followed by glass flake filled top coats to achieve excellent chemical resistance, exceptionally low permeation and high physical properties for over all performance of lining & coating.

Available in Isophthalic polyester, Bisphenol polyester, Vinyl Ester, Superior Vinyl Ester, Epoxy, Hybrid Epoxy resin system.

Each of the MIPROGLASS 201 linings is reinforced with glass flakes up to 0.4mm (1/64 inch) in maximum Dimension by 3-4 microns thick, which lie parallel to the substrate thereby offering excellent resistance to permeation, corrosion, abrasion, physical abuse and thermal shock.

MIPROGLASS 201 series coatings will withstand total immersion at temperatures up to 70 C, and gas temperatures up to 150 C.

The recommended thickness of the MIPROGLASS 201 linings is 1mm to 3mm and this is obtained in two or more coats by trowel application. Plus Top coat by brush, roller or air less spray. Glass matt/cloth reinforcement is also possible for higher strength.

MIPROGLASS 201 series linings are formulated from different high performance resins:-

MIPROGLASS 201 - I	Isophthalic polyester
MIPROGLASS 201 - B	Bisphenol polyester
MIPROGLASS 201 - V	Vinyl ester
MIPROGLASS 201 - SV	Vinyl ester – superior grade
MIPROGLASS 201 - E	Epoxy
MIPROGLASS 201 - E (HYB)	Hyb. Epoxy

The MIPROGLASS 201 I, B, V, E, E (HYB) grades are suitable for use in food and pharmaceutical applications when properly cured.

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.

CHEMIPROTECT ENGINEERS 

ABRASION & CORROSION ENGINEERS

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PRACTICAL COVERAGE

COMPONENT	QTY. REQUIRED PER SQ. MET.
MIPROGLASS PRIMER VE OR E	Approx. 0.250 to 350. KG.
MIPROGLASS 201 SCREED TROWEL APPLIED I.B.V.SV. E OR E (HYB)	Approx. 2.2 kg. Per 1mm Thickness
	TOP COATS Approx. 0.500 Kg (Two Coats)
CLEANERS	As required

The above are practical coverage figures and allow for all normal wastage, (excluding overspray). Quantities should be rounded up to the nearest standard pack size.

PACK SIZE

MIPROGLASS PRIMER VE OR E 5 Kgs. 20 Kgs.

MIPROGLASS 201 lining 5 Kgs., 20 Kgs.

Catalysts Corresponding quantity of Resin in std. Pack.

Cleaner 5 Kgs. 25 Kgs.

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 the MIPROGLASS 201 series can be over coated within 4 to 6 hours and are hard in 8 to 12 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

Flash Point: Base: 32.C Catalyst: Above 55.C

% Solids by Volume: Theoretical 98% at time of mixing. Practical typically 80% + 5%.

All Vinyl ester/polyester resin systems are subject to monomer loss and shrinkage during application and curing.

Recommended Cleaner: Cleanser No.1 Cleaning only. Thinning not recommended.

Over coating Times: Indefinitely over coat able (if clean and dry).

Shelf Life: 4-6 months at 25°C.

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