

TYPE:	A two-pack cold cured Polyester Laminating Resin.
SUGGESTED USE:	For use in wetting out with glass reinforcing tissues and fabrics.
LIMITATIONS:	Not suitable as a protective coating without glass reinforcement and at films less than 3mm. It is suggested that where this product is used for lamination protection systems a top layer of Polyglass at 500 microns is applied to reduce permeation.
HEALTH & SAFETY:	Before handling this product the material Health & Safety Data Sheet for 200 Series should be consulted and all precautions observed. Only to be applied by competent, adequately trained personnel.
SURFACE PREPARATION:	Metal Surfaces: Grit blast to SIS 05 5900 SA 2.5 near 3 standard. For full details refer to Corrocoat Data Sheet SP1.
APPLICATION EQUIPMENT:	As necessary for wetting out the reinforcing material. Can be used with brush, roller or spray.
MIX RATIO:	100:2 Base:Hardener
POT LIFE:	Variable with temperature. At 20°C approximately 20-30 minutes.
THINNERS:	The performance of 200 Laminating Resin may be adversely affected by the addition of solvent thinners (e.g. Xylene) and their use is prohibited. Should thinning be necessary use only styrene monomer to an absolute maximum of 5% by volume concentration.
PACKAGING:	5, 10 and 20 litre pails.
STORAGE LIFE:	12 Months stored at temperatures below 24°C and away from direct light and sources of heat.
COLOUR:	Translucent brown.
RECOMMENDED DFT:	Not applicable.
VOLUME SOLIDS:	This material contains volatile liquid convertible to solids. Volume solids obtained will vary dependent upon polymerisation conditions. Nominally greater than 99% of the contents are convertible to solid.
PRACTICAL SPREADING RATE:	Dependent on roving usage.

CORROGLASS**200 LAMINATING RESIN**

- SPECIFIC GRAVITY:** 200 Laminating base 1.06 gms/cc
- CATALYST TYPE:** Methyl ethyl ketone peroxide, Corrocoat Catalyst P2. In cold conditions, i.e. less than 10°C Corrocoat Catalyst P4 may be used if necessary to increase cure rate.
- OVERCOATING:** May take place as soon as the previous coat has gelled and whilst still tacky. Maximum overcoating time 72 hours.
- Please note: Maximum levels refer to ambient temperature of approximately 20°C. At higher temperatures the maximum overcoating time will reduce significantly.
- CURE TIME:** Full cure will be obtained in 4-6 days.
- CLEANING SOLVENT:** Acetone, Methyl Ethyl Ketone and Methyl Iso Butyl Ketone prior to gelation.
- PHYSICAL PROPERTIES:**

Property	Unreinforced Castings	Glass Mat Reinforced Laminates
Tensile Strength	62 MPa	85 MPa
Tensile Modulus	3380 MPa	7510 MPa
Elongation	2.1%	-
Flexural Strength	113 MPa	139 MPa
Flexural Modulus	3380 MPa	6590 MPa
Dielectric Strength	20 kV mm ⁻¹	-
Coefficient of Linear Expansion 20-100°C		31 x 10 ⁶ °C ⁻¹
Thermal Conductivity		0.22 w/mk

- Note:
- (1) Glassmat Reinforcement test work performed using 30% w/w of matting.
 - (2) All results tested at 20°C.
 - (3) Results will vary depending upon temperature, degree of cure, percentage of glass and quality of workmanship.

Reviewed – 05 October 2001 – No changes