

CORROGLASS

DRILLGUARD

TYPE:	A LIGHT DUTY BISPHENOL 'A' POLYESTER COATING, CURED BY THE ADDITION OF ORGANIC PEROXIDE.
SUGGESTED USE:	As a light duty coating for atmospheric conditions or as a top coat/surface veil for heavy duty grades.
LIMITATIONS:	Light duty or as surface veil coating only.
HEALTH & SAFETY:	Before handling or using this product the material safety data sheet should be read and all precautions observed.
SURFACE PREPARATION:	When used direct on to substrate, this should be correctly prepared surfaces and should be free of contaminants and grit blasted to Swedish Standard SIS 05 5900 SA 2.5 with a surface profile of at least 50 microns. All blast residues should be removed by sweeping clean with dry oil free compressed air and vacuum cleaning where necessary. Apply coating to substrate as soon as possible and before blast standard deteriorates.
APPLICATION EQUIPMENT:	Brush, Roller or Special Spray.
APPLICATION:	<p>Apply as a surface veil in a single coat of approximately 200 microns. When used direct to substrate, use multiple coats as required to achieve a minimum DFT of 500 microns.</p> <p>When applying, each subsequent coat of material should be of a different colour to the previous one to ensure full and even coverage. Only the recommended dye for the product should be used. Dyes can affect chemical and corrosion resistance in some environments and the advice of Corrocoat UK should be sought where the material will work close to either its chemical resistance or temperature limit. In some environments dyes are not colour stable and a change in colour may take place in service which is not detrimental to coating performance.</p>
MIXING RATIO:	Corroglass 252 can be catalysed within the ratios of 100:1 parts base to catalyst by weight to 100:3 parts base to catalyst by weight. The ratio should always be within these limits, 2% addition of catalyst being the norm with a reduction being made for high ambient temperatures.
MIXING:	Weigh out only the proportion of material which can be used within the pot life and place into a suitable mixing container. Measure the correct proportion of catalyst for the amount of base and carefully add this to the base using a suitable clean implement. Mix thoroughly then add dye where necessary and mix to an even colour.
POT LIFE:	25 to 30 minutes at 20°C. Pot life will be shorter at higher temperatures and longer at lower temperatures. Where temperatures are below 10°C the use of catalyst P4 will reduce pot life and cure time. Where higher temperatures are encountered, refrigerate material before use or seek the advice of Corrocoat UK for availability of inhibitor or material with longer pot life.
THINNERS:	This material can be thinned by the addition of not more than 5 parts of Styrene Monomer to 100 parts base before catalysation. No other diluent or thinner should be used. The use of acetone or similar thinners in Corroglass will severely affect product performance.

CORROGLASS

DRILLGUARD

PACKAGING:	10/20 Litre composites.
STORAGE LIFE:	12 months stored at temperatures below 29°C and away from radiating heat sources or direct sunlight (see Shelf Life Information Sheet).
COLOUR AVAILABILITY:	Pigmented White. Dyes can be used to effect colour change.
RECOMMENDED DFT:	0.5 to 1.0mm in multiple coats. Or as advised.
THEORETICAL SPREADING RATE:	1.25kg per square metre at 1mm thickness.
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:	1.3kg/M ² at 1mm. Note: This information is given in good faith but may increase dependent upon environment conditions, the geometry and nature of work undertaken and the skill and care of application. Corrocoat accept no responsibility for any deviation from these values.
SPECIFIC GRAVITY:	1.17 gms/cc.
FLASH POINT:	37°C.
CATALYST TYPE:	Methyl Ethyl Ketone Peroxide Corrocoat Type P2 or P4.
MIXING RATIO:	100:1 to 100:3 base to catalyst.
HARDNESS:	38 Barcol (approximate).
ELONGATION:	1.1%.
DIELECTRIC STRENGTH:	12 to 16 x 10 ³ V/mm. Arc resistance 40 seconds minimum.
TEMPERATURE LIMITS:	90°C immersed. 160°C non-immersed. No known lower limit.
OVERCOATING:	May take place as soon as previous coat has gelled sufficiently to resist movement of next application and whilst still tacky. Maximum overcoating without treatment 4 days. Shorter at ambient temperatures above 30°C.
CLEANING FLUID:	Acetone or Methyl Ethyl Ketone before gel. Trichloroethane after gel.
CURE TIME:	At 20°C product will be hard within 3 hours and 90% cure will be attained within 10 hours. Full cure for chemical resistance will be between 6-8 days. Full cure times will be shorter at higher temperatures and longer at lower temperatures. Although not fully cured, after gel has occurred, this product may be immersed in many environments with only slight detriment to the immediate surface of the coating, the cure process continuing even when immersed.

Reviewed 05th October 2001 – No changes