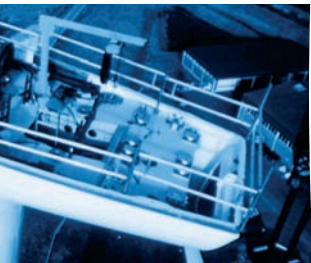




NORPOL GI Gelcoats

Superior Application Properties and Processing Robustness



REICHHOLD



Components used in industrial applications can be exposed to tough environments. Consequently, the gelcoats used for making these components may need to have good weathering resistance, high mechanical strength and resistance to osmosis. At the same time, component manufacturers demand excellent processing characteristics, and hassle free gelcoat application. The new NORPOL GI Gelcoat series from Reichhold have it all!

Features and Benefits of NORPOL GI Gelcoats

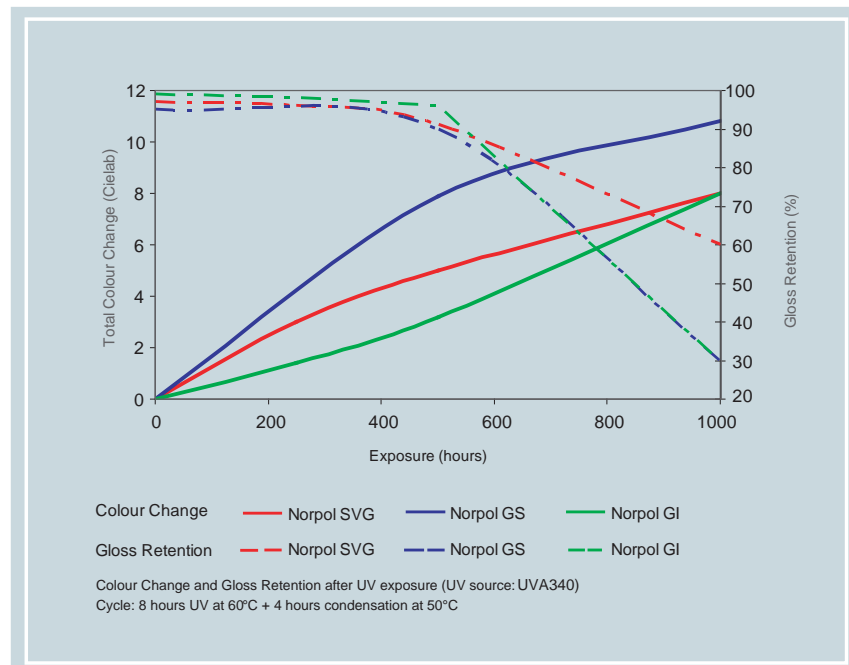
Outstanding application properties and processing robustness compared to other general purpose gelcoats:

- Easy flow and levelling
- Superior air release properties
- No colour separation
- Excellent curing properties make application in a broad temperature range possible
- A gelcoat film that can be easily repaired
- Low colour change when exposed to UV light, comparable with Iso/ NPG Gelcoats
- Gloss retention comparable to conventional Isophthalic Gelcoats

The Reichhold NORPOL GI Gelcoats are based on a premium Isophthalic resin system and are available in both brush and spray versions.

NORPOL GI Gelcoats are manufactured both in Reichhold plants and on Polycolor machines.

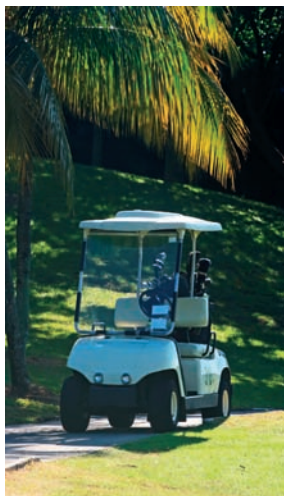
Key applications for NORPOL GI Gelcoats include car body work, cladding panels, industrial parts, street furniture, roof canopies, windmill nacelles etc.





Physical data in liquid state at 23°C

Property	Unit	Spray Version	Brush Version	Test Method
Viscosity - Brookfield RVF 4/4 rpm - Cone & Plate	mPa.s (cP) mPa.s (cP)	9000 - 16000 250 - 350	18000 - 25000 750 - 920	A050 A010
Density	g/cm ³	1.1 - 1.3	1.1 - 1.3	B020
Flash point	°C	32	32	ASTM D 3278-95
Geltime: 1.5% MEKP	minutes	8 - 20	10 - 25	G020
Storage stability from date of production	months	6	6	G180



Typical non-reinforced casting properties

Property	Unit	Value	Test Method
Tensile strength	MPa	Min. 65	ISO 527-1993
Tensile modulus	MPa	Min. 3000	ISO 527-1993
Tensile elongation	%	Min. 3.5	ISO 527-1993
Heat distortion temperature [HDT]	°C	Min. 70	ISO 75-1993
Water absorption	mg/ test piece	Max. 80	Det norske Veritas 1981

Post cured. 24 hours at 60 °C

