



NORPOL® ULTIMATE GELCOAT

DESCRIPTION: NORPOL® ULTIMATE is a gelcoat exhibiting ultra low emissions and is based on novel ground breaking technology.

APPLICATION: NORPOL® ULTIMATE is developed for a wide use of applications in automotive and transportation, wind industry, building/ construction, industrial market segments for use as in-mould coating or as an external surface finish.

FEATURES AND BENEFITS:

- Spray/hand/roller lay-up versions
- Available in pigmented or clear grades
- Very low emission
- Styrene free
- Workplace and Environmentally friendly
- High weathering properties
- Compatible with multiple resin substrates (good adhesion)
- Fast over-lamination time
- Uses standard equipment and peroxides R/T cure

PHYSICAL DATA IN LIQUID STATE AT 23°C

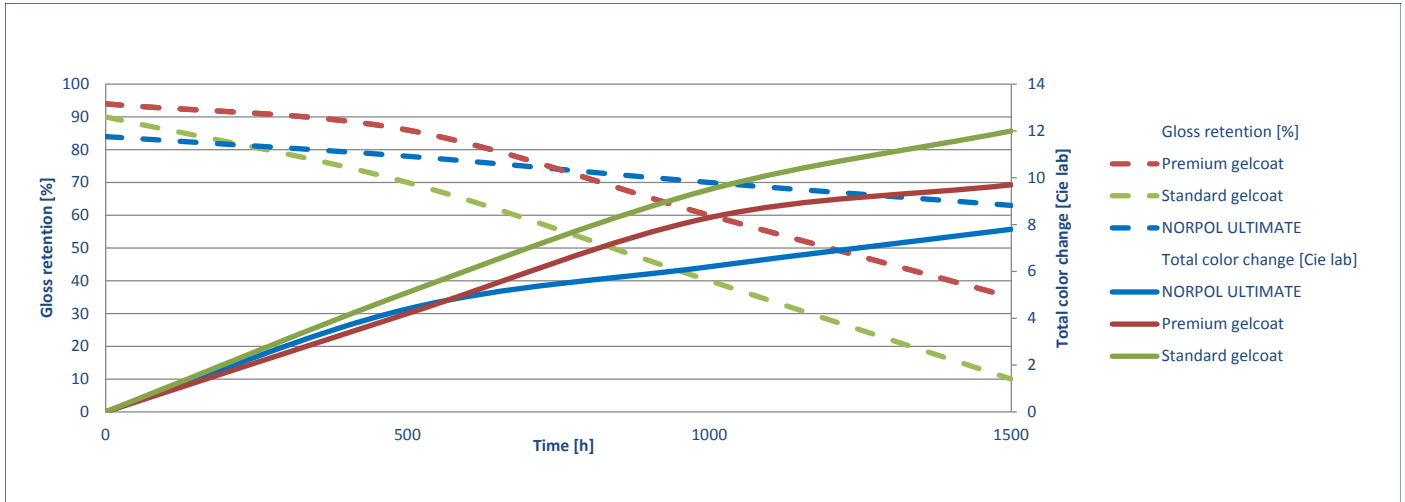
Properties	Unit	Spray quality	Hand quality	Test method
Viscosity				
Brookfield RVF sp.4/4 rpm	mPa.s(cP)	12000-22000	20000 30000	A050
Cone & Plate	mPa.s(cP)	300-400	1200-2000	A010
Density	g/cm ³	1.1-1.3	1.1-1.3	B020
Geltime: 2% NOROX KP-925 H	minutes	7-25	10-25	G020
Flash point	°C	min.91	min.91	G180

TYPICAL NON-REINFORCED CASTING PROPERTIES

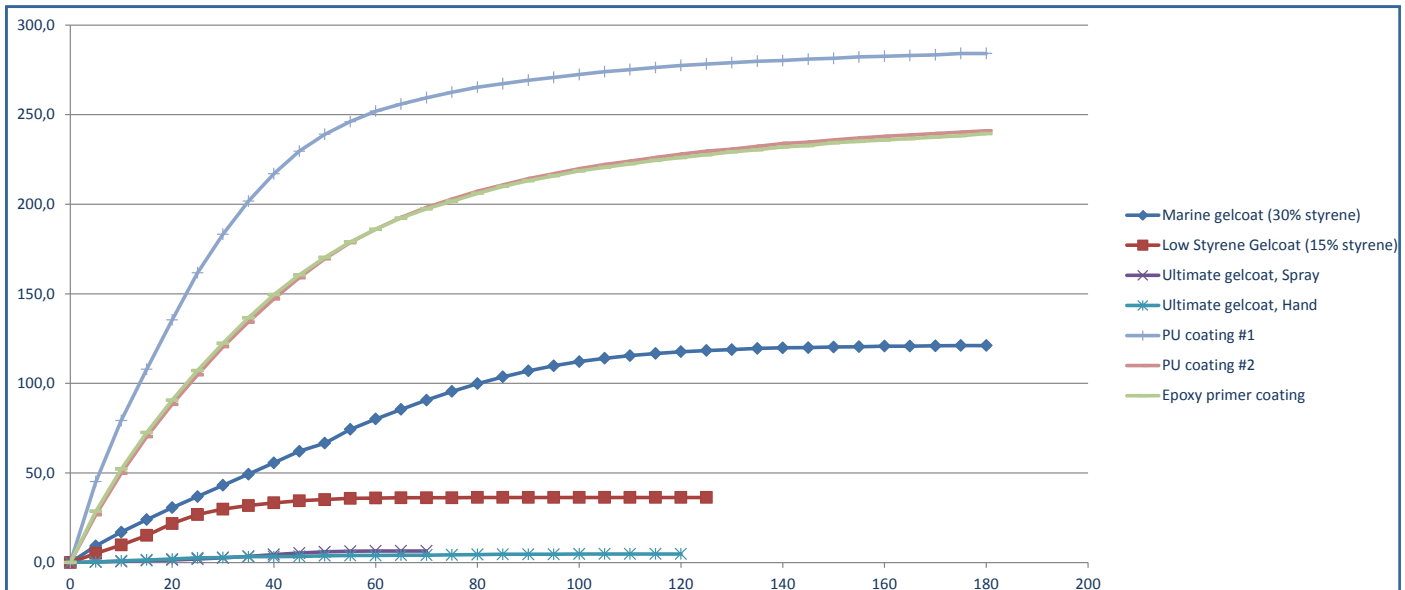
Properties	Unit	Value	Test method
Tensile strength	MPa	min. 80	ISO 527-1993
Tensile modulus	Mpa	min. 3900	ISO 527-1993
Tensile elongation	%	min. 3	ISO 527-1993
HDT	°C	min. 70	ISO 75 1993
Flexural strength	MPa	min. 125	ISO 178-2001
Flexural modulus	MPa	min. 3600	ISO 178-2001
Hardness Barcol	934 1	min. 45	ASTM D 2583 99



WEATHERING PROPERTIES



STATIC EMISSION



ADHESION TO DIFFERENT LAMINATES RESIN SYSTEMS

Composition	N/mm2	Delamination
NORPOL® ULTIMATE + UPR laminate	6,8	Full Glassfibre
NORPOL® ULTIMATE + Epoxy laminate	9,3	Full Glassfibre
NORPOL® ULTIMATE + ADVALITE™ resin laminate	6,5	Full Glassfibre
Minimum requirements for painting	5,0	



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