

NORPOL® VBC**DESCRIPTION**

NORPOL® VBC is a high-quality barriercoat based on Vinylester resin.
NORPOL® VBC is easy to apply and handle with good levelling and air release.
NORPOL® VBC is designed to minimize print through and fibre pattern on gelcoat surfaces and also gives excellent protection against blistering/osmosis for products exposed to water.

NORPOL® VBC is especially well suited for products produced with closed mould processes like infusion and RTM, such as sanitary articles, boats, cladding panels etc. as these processes in general give more print through/fibre pattern.

Colour : \approx 80005
Recommended peroxide dosage : 1.3 - 2.0% Peroxide 1(MEKP)
Recommended film thickness : 0.45 - 0.75 mm wet film

TYPICAL PROPERTIES**PHYSICAL DATA IN LIQUID STATE AT 23°C**

Properties	Unit	Spray quality	Hand quality	Test method
Viscosity				
- Brookfield RVF sp.4/4 rpm	mPas(cP)	10000-18000	14000-24000	A050
- Cone & Plate	mPas(cP)	250 - 350	750 - 900	A010
Density	g/cm ³	1.15-1.35	1.15-1.35	B020
Flash point	°C	32	32	ASTM D 3278-95
Geltime: 1.5% NORPOL® PEROXIDE 1	minutes	7-20	10-25	G020
Storage stability from date of production	months	4	4	G180

TYPICAL NON-REINFORCED CASTING PROPERTIES

Post cured.

Properties	Unit	Value	Test method
Tensile strength	MPa	min. 65	ISO 527-1993
Tensile modulus	MPa	min. 3000	ISO 527-1993
Tensile elongation	%	min. 3.0	ISO 527-1993
Heat distortion temp.	°C	min. 102	ISO 75-1993
Hardness Barcol	-	min. 35	ASTM D 2583-99
Water absorption	mg/testpiece	max. 80	Det norske Veritas 1981

STORAGE

Store in the shade, out of direct sunlight. Keep storage temperature below 25° C. Unseal container just before use. Shelf life will be reduced reaching higher temperature.

SAFETY

READ AND UNDERSTAND THE MATERIAL SAFETY DATA SHEET BEFORE WORKING WITH THIS PRODUCT

The information contained in this document (which is to be intended only for explanatory purposes) is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of publication. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing in the information contained in this document shall be deemed to be a warranty or a representation (explicit or implicit) by the supplier, and/or taken or construed as infringing of any existing patents. The supplier shall not be under any liability or responsibility for any of the information provided under this document or for any errors, omissions or misstatements, even with regard to results to be obtained through the use of the aforesaid information.