

NORPOL® MTI

DESCRIPTION

NORPOL® MTI is a topcoat based on iso-modified polyester resin.

NORPOL® MTI meets the most stringent requirements for working properties and is formulated to give glassfibre-reinforced polyester resin products good weather and water resistant surface protection.

Recommended peroxide dosage: 1.3 - 2.0%.
 Recommended film thickness: 0.55 - 0.85 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 - Cone & Plate	mPa·s(cP) mPa·s(cP)	9000-16000 230-350	18000-25000 500-650	A050 A010
Density	g/cm ³	1.1-1.5	1.1-1.5	B020
Flash point	°C	32	32	ASTM D 3278-95
Gel time: 1.5% NORPOL® PEROXIDE 1	minutes	8-20	10-25	G020
Storage stability from date of production	months	6	6	G180

MECHANICAL/PHYSICAL DATA FOR THE TOPCOAT'S BASE POLYESTER RESIN IN CURED STATE

Properties	Unit	Value	Test method
Tensile strength	MPa	min. 65	ISO 527-2: 2012
Tensile modulus	MPa	min. 3000	ISO 527-2: 2012
Tensile elongation	%	min. 3.5	ISO 527-2: 2012
Heat distortion temp.	°C	min. 70	ISO 75-2: 2013
Water absorption	mg/testpiece	max. 90	Det norske Veritas 1981

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STORAGE

To ensure maximum stability and maintain optimum resin properties, resins should be stored in closed containers at temperatures below 24°C/75°F and away from heat ignition sources and sunlight. Resin should be warmed to at least 18°C/65°F prior to use in order to assure proper curing and handling. All storage areas and containers should conform to local fire and building codes. Copper or copper containing alloys should be avoided as containers. Store separate from oxidizing materials, peroxides and metal salts. Keep containers closed when not in use. Inventory levels should be kept to a reasonable minimum with first-in, first-out stock rotation.

Additional information on handling and storing unsaturated polyesters is available in Reichhold's application bulletin "Bulk Storage and Handling of Unsaturated Polyester Resins." For information on other Reichhold resins or initiators, contact your sales representative or authorized Reichhold distributor.

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

Obtain a copy of the material safety data sheet on this product prior to use. Material safety data sheets are available from your Reichhold sales representative. Such information should be requested from suppliers of all products and understood prior to working with their materials.

DIRECTLY MIXING ANY ORGANIC PEROXIDE WITH A METAL SOAP, AMINE, OR OTHER POLYMERIZATION ACCELERATOR OR PROMOTER WILL RESULT IN VIOLENT DECOMPOSITION