

POLYCOR TOPCOAT ISO PA

TOP COAT

SPRAY



Technical data sheet

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DESCRIPTION

A pre-accelerated top coat based on Isophthalic unsaturated polyester resin.
It is cured using MEKP peroxide.

APPEARANCE

Product is available in clear, white, off-white and wide range of colours and can be colour matched according to a particular demand. The product is formulated to assure a hide in wet film thickness of 500µm. However some bright shades may have a hide slightly lower opacity.
TOP COAT : Contains wax.

PROPERTIES / ADVANTAGES

Specially formulated for finishing applications.
The product is easy to use with highly controlled rheological properties providing high resistance to sagging.
This product has good resistance to yellowing over time.
It has good gloss retention properties.
This product has good water resistance properties. Top coats are not intended for constant water immersion applications.
This product has resilient mechanical properties.

APPLICATION

This top coat is ready to use by application with airless spray equipment.
Mix the product slowly but thoroughly for 10 minutes prior to each shift start up. Apply the correct film thickness. A wet film thickness between 300 to 600µm is required ideally in 3 even passes.
Check that the correct level of MEKP is added. A level of 1,8% is recommended. Do not use more than 3% or lower than 1,2% MEKP catalyst.
Minimum application temperature : 15°C
This product is not designed for use with a roller or brush.

USE AREAS

This TOP COAT product is formulated to be applied to the back surface of laminates to provide a tack free surface finish. It should not be used as a gel coat.
This topcoat is formulated to meet the rigid requirements of transportation, boating and sanitary applications.

STORAGE / CONSERVATION

Shelf-life : 4 Months .
When the product is sealed in its original packing, stored indoors away from direct sunlight and direct heat sources and ideally at ambient temperature between 15°C and 25°C .

TYPICAL CHARACTERISTICS

LIQUID		CURING	
. Density.....	1,05 - 1,28	. Catalyst : Low activity catalyst	
. Viscosity (dPa.s)..... [25°C - Spindle 4 - 4 rpm]	110 - 150	. Gel time (mn) (200g - 25°C - 1,8% MEKP) :.....	12 - 15
. Thixotropic index..... [2/20 rpm]	6,0 - 7,5	. Peak time (mn) (200g - 25°C - 1,8% MEKP) :.....	15 - 35
. Solid content (%)..... [15mn at 150°C]	53 - 64	. Peak exotherm (°C) (200g - 25°C - 1,8% MEKP) :.....	150 - 210
. Sag resistance : (µm - wet)	500	. Film cure (mn) (500µ - 20°C - 2% MEKP) :.....	45 - 60
. Hide depends colour : (µm - wet)	500 - 700	MECHANICAL PROPERTIES AFTER CURING (On the base resins - Post Cure 16h at 40°C)	
. Colour :	Depends colour	. H.D.T (NFT ISO 75) :.....	54 °C
		. Strength : (Tensile : ISO 527) :.....	59 MPa
		. Elongation at break (Tensile : ISO 527) :.....	3,8 %

For all additional information, refer to the Safety Data Sheet n° FP11265 available at our website address www.polynt.com.

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