

Date sheet n°

TOP COAT

2803

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**POLYCOR ISO PA F**

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**GUN****I. DESCRIPTION**

An Isophthalic pre-accelerated unsaturated polyester Top-Coat which is cured with MEKP peroxide to give a protective and decorative coating for GRP (Glass Reinforced Polyester) composites.

**II. PROPERTIES / ADVANTAGES**

Specially formulated for finishing applications.  
Its rheological properties are controlled to give well, resistance to sagging, curing characteristics and hence this product is easy to use.  
Gives a high quality finish with a resistance to yellowing over time.  
Has good water resistance.

**III. USE AREAS**

Repaire of polyester GRP parts.  
The Top coat has been formulated for the manufacture of various types of parts.

**IV. PRESENTATION**

Product is available in a wide range of colours and can be colour matched according to a particular demand.

**V. PACKAGING**

Packaging : 20 Kg

Packaging : 200 Kg

Packaging : 25 Kg

Packaging : 250 Kg

**VI. STORAGE / CONSERVATION**

Keep the product at ambient temperature between 15°C and 25°C .  
Shelf life : 4 months .

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**GUN****VII. CHARACTERISTICS****\* LIQUID**

. Flash point NFT 30050 :.....	27 °C
. Density :.....	1,18 - 1,32
. Viscosity (mPa.s) :..... [25°C - Brookfield - Spindle 4 - 4 rpm]	10000 - 14000
. Thixotropic index :..... [2/20 rpm]	6,0 - 7,5
. Solid content (%) :..... [1h at 150°C]	58 - 73
. Sag resistance (wet) :.....	500µm
. Hide :.....	300µm
. Colour :.....	Depends colour

**\* CURING**

. Catalyst : <b>MEKP</b>	
. Gel time (mn) (200g - 25°C - 1,8% MEKP) :.....	12 - 15
. Peak time (mn) :.....	35 - 40
. Peak exotherm (°C) :.....	170 - 190
. Film cure (mn) : (500µ - 20°C - 2% MEKP).....	45 - 60

**\* MECHANICAL PROPERTIES AFTER CURING (On the base resins)**

. H.D.T NFT ISO 75 :.....	54 °C
. Tensile : ISO 527	
- Strength :.....	59 MPa
- Elongation at break :.....	3,8 %

**VIII. APPLICATION**

This Top coat is ready to use by application with airless spray equipment. Mix the product slowly but thoroughly before use and apply the correct film thickness. A wet film thickness between 450 to 600 microns is the optimum.

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.

For application with air atomised spray equipment, dilute the product with between 1 and 2 % of acetone.

Never applied using a roller or a brush.

**For all additional information, refer to the Safety Data Sheet n°2803 available at our website address [www.crayvalley.com](http://www.crayvalley.com).**