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GEL COAT

2851

POLYCOR ISO NPG PA

GUN**I. DESCRIPTION**

A pre-accelerated Gel-Coat based on an Isophthalic Neopentylglycol resin, it is cured using MEKP catalyst and used to form a protective layer for GRP (Glass Reinforced Polyester) composites.

II. PROPERTIES / ADVANTAGES

Its rheological properties are controlled to give well, resistance to sagging, curing characteristics and hence this product is easy to use.
Has excellent resistance to yellowing over time.
Present a good gloss retention.
Has excellent water resistance.
Has good temperature resistance.
This product has a good resilience.

III. USE AREAS

Has been formulated for use in various applications. For example, sanitary, marine, tanks, etc...
This product used for all applications where a good water and weather resistance is required.

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 : 1000 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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VII. CHARACTERISTICS*** LIQUID**

. Flash point NFT 30050 :.....	27 °C
. Density :.....	1,18 - 1,26
. Viscosity (mPa.s) :..... [25°C - Brookfield - Spindle 4 - 4 rpm]	12000 - 16000
. Thixotropic index :..... [2/20 rpm]	> 6,5
. Solid content (%) :..... [1h at 150°C]	62,5 - 66,5
. Sag resistance (wet) :.....	600µm
. Hide :.....	300µm
. Colour :.....	Depends colour

*** CURING**

. Catalyst : MEKP	
. Gel time (mn) (200g - 25°C - 1,8% MEKP) :.....	12 - 15
. Peak time (mn) :.....	24 - 34
. Peak exotherm (°C) :.....	175 - 195
. Film cure (mn) : (500µ - 20°C - 2% MEKP).....	40 - 50

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

. H.D.T NFT ISO 75 :.....	61 °C
. Tensile : ISO 527	
- Strength :.....	53 MPa
- Elongation at break :.....	3,4 %

VIII. APPLICATION

This gel 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°2851 available at our website address www.crayvalley.com.