

Date sheet n°

GEL COAT

2801

POLYCOR ISO PA

GUN**I. DESCRIPTION**

A pre-accelerated Gel-Coat base on a high performance Isophtalic. It is cured with MEKP peroxide to form a protective and decorative 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.
Gives a high quality finish with a resistance to yellowing over time.
Present a good gloss retention.
Has very good water resistance.

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 :.....	1,28 - 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 - 62
. 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) :.....	
. Peak exotherm (°C) :.....	
. 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 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°2801 available at our website address www.crayvalley.com.