

GELCOAT CRYSTIC G 976 SMK

Isophthalic NPG Gelcoat

Introduction

GELCOAT CRYSTIC G 976 SMK is an isophthalic neopentyl glycol gelcoat, thixotropic and pre-accelerated. This gelcoat is to be applied by spray with airless machine.

Application

GELCOAT CRYSTIC G 976 SMK has been specially designed for the production and protection of GRP swimming pools. It will provide a high chemical and hydrolysis resistance.

Features and Benefits

Features

Iso NPG base resin

Special Pigments

Easy to apply

Low styrene content

Benefits

Excellent water resistance

Excellent chemical resistance

Longer resistance to whitening

Excellent surface aspect

Better comfort for the workers and for the neighbourhood

Formulation

GELCOAT CRYSTIC G 976 SMK must be allowed to attain workshop temperature before use (18-20°C). It is highly recommended to stir the product with a low shear mixer and then to let it rest before use. The product only requires the addition of catalyst to start curing. The recommended catalyst is catalyst M (or Butanox M50) which should be added at 1.5 to 2% in the gelcoat.

Variants

GELCOAT CRYSTIC G 976 SMK is also available in brush version under the reference **GELCOAT CRYSTIC G 976 KH**

Gel Time

Catalyst level and temperature will influence gel time. At 25°C, typical gel time of **GELCOAT CRYSTIC G 976 SMK** for 100 parts gelcoat with 2 % catalyst M is of 8 to 10 minutes.

Spray set up

Application temperature:

18 - 20°C

Dilution:

Ready to use

Catalyst :

1.5 - 3% M50

Nozzle airless gun:

423 - 631

Pressure :

3 to 4.5 bars

Distance to mould:

50 cm minimum

Thickness

600 - 800 microns

Typical Properties
Liquid Gelcoat

Viscosity at 25°C Brookfield RVT, n°5, 2.5t/min	dPas	260 -360
Thixotropic Index		5.3 – 5.9
Specific gravity at 25°C		1.18 -1.25
Stability in the dark at 20°C	Month	3
Styrene content	%	34 - 36

Cured Gelcoat, Base resin

Barcol Hardness (Model GYZJ 934-1)		45
Heat deflection temperature under load (1.8 MPa)	°C	90
Elongation at break	%	3 – 4
Tensile Strength	MPa	70
Tensile Modulus	MPa	3400

Test selon le BS 2782 :1976
1MPa = 1MN/m² = 1N/mm² = 10,2 kgf/cm²

Packaging

GELCOAT CRYSTIC G 976 SMK is supplied in 25 kg kegs and 200 Kg drums.

Storage

Le **GELCOAT CRYSTIC G 976 SMK** should be stored in the dark in suitable closed containers. It is recommended that the storage temperature should be less than 20°C.

Health and safety

Please see separate material safety data sheet.

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