

CRYSTIC MICROBAN GELCOAT 967 SMK

Isophthalic NPG sanitary gelcoat

Introduction

Crystic Microban Gelcoat 967 SMK is a pre-accelerated isophthalic neopentyl glycol and thixotropic polyester gelcoat specially designed to be used by airless machine. It has built-in antibacterial protection to provide protection against common bacteria, mould and mildew in composite parts manufactured using this product.

Application

Crystic Microban Gelcoat 967 SMK has been specially designed for the production of sanitary items, mainly sinks and vanity units, when excellent resistance to thermal shock is a key property. It is pre-accelerated and only requires the addition of the catalyst to start its curing reaction.

Features & Benefits

Features

Iso NPG base resin

Special Additives

Fast Curing

Benefits

Excellent hot water resistance

Excellent chemical resistance

Outstanding thermal shock resistance

Fast mould turn round, time saving

Variants

This gelcoat is also available for a gravity gun spray process version under reference Crystic Gelcoat 967 K and in a transparent version under reference Crystic Gelcoat 997 SMK with a minimum quantity of 100 kg per order.

Formulation

Crystic Microban Gelcoat 967 SMK must be allowed to attain workshop temperature (18 – 20°C) before use. Stir well by hand or with a low shear mixer and leave to rest. The gelcoat only requires the addition of catalyst to start curing. The recommended catalyst is Catalyst M (or Butanox M50) which should be added at 2% in the gelcoat.

Gel Time

Catalyst level and temperature will influence the gel time. At 25°C, typical gel time of Crystic Microban Gelcoat 967 SMK for 100 parts gelcoat with 2% Catalyst M is of 8 to 10 minutes.

Application

Application Temperature	18 – 20°C
Dilution	Ready for use
Catalyst	1.5 to 3% Butanox M50?
Airless gun nozzle	421
Gravity gun nozzle	20/10 to 30/10 mm
Pressure	3 à 4.5 bars
Distance to mould	50 cm au minimum
Thickness	400 - 600 microns

Typical Properties

		Liquid Gelcoat
Viscosity at 25°C (Brookfield RVT No 5, 2.5t/min)	dPas	180 - 200
Thixotropic Index		5.5 – 6.0
Specific Gravity at 25°C		1.18
Stability in the dark at 20°C	month	3
		Cured Base Resin
Barcol Hardness (Model GYZJ 934-1)		45
Heat Deflection Temperature (1.8 MPa)	°C	90
Elongation at Break	%	3
Tensile Strength	MPa	70
Tensile Modulus	MPa	3400

Curing schedule - Test According to BS 2782:1976
1MPa = 1MN/m² = 1N/mm² = 10.2 kgf/cm

Packaging

Crystic Microban Gelcoat 967 SMK is supplied in 25 kg kegs and 200 kg drums

Storage

Crystic Microban Gelcoat 967 SMK should be stored in the dark in suitable closed containers. It is recommended that the storage temperature should be less than 20°C. Avoid proximity of heat and water infiltration risk.

Health & Safety

Please refer to Material Safety Data Sheet.



Scott Bader Company Limited
Wollaston, Wellingborough,
Northamptonshire NN29 7RL
Telephone: +44 (0) 1933 663100
Facsimile: +44 (0) 1933 666139
www.scottbader.com



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