

CRYSTIC GELCOAT 2208 NPG

Chemical Resistant Brush Iso - NPG Gelcoat

Introduction

Crystic Gelcoat 2208 NPG is a pre-accelerated Iso - NPG gelcoat designed to be brush applied.

Application

Crystic Gelcoat 2208 NPG has been specially designed for the production of sanitary-ware mouldings and items requiring good chemical resistance. It is pre-accelerated and only requires the addition of the catalyst to start its curing reaction.

Features & Benefits

Features

Pure Iso - NPG base resin

No filler

Long term experience

Benefits

Excellent resistance to hot water

Excellent chemical resistance

Excellent gloss and gloss retention

Reliable history

Formulation

Crystic Gelcoat 2208 NPG must be allowed to attain workshop temperature before use. Stir well by hand or with a low shear mixer to avoid aeration, and then allow to stand to regain thixotropy. The recommended catalyst is Butanox M50 (or other equivalent catalyst) which should be added at 2% in the gelcoat.

Gel Time

Catalyst level and temperature will influence the gel time. Typical gel time at 20°C of Crystic Gelcoat 2208 NPG with 2% Butanox M50 is 9 to 11 minutes.

Recommended Testing

It is recommended that customers test all pigmented gelcoats before use under their own conditions of application to ensure the required surface finish is achieved.

Typical Properties

Property		Liquid Gelcoat
Viscosity at 25°C Brookfield HBT, Sp n°2, 5rpm	dPas	190 - 210
Thixotropic Index	-	2.0 - 2.5
Stability at 20°C	months	3
Refractive index n 20/D		1.557

Property		Cured Base Resin
Barcol Hardness (Model GYZJ 934 – 1)		40
Heat Deflection Temperature (1.8 MPa)	°C	98
Elongation at Break	%	2.2
Tensile Strength	MPa	50
Tensile Modulus	MPa	2100
Specific gravity at 25°C		1.14
Volumetric Shrinkage	%	8

Curing schedule - Test According to BS 2782:1976

1MPa = 1MN/m² = 1N/mm² = 10.2 kgf/cm²

Packaging

Crystic Gelcoat 2208 NPG is supplied in 25kg keg and 200 kg drums.

Storage

Crystic Gelcoat 2208 NPG should be stored in its original container and out of direct sunlight. It is recommended that the storage temperature should be less than 20°C where practical, but should not exceed 30°C. Ideally, containers should be opened only immediately prior to use.

Health & Safety

Please refer to Material Safety Data Sheet.

January 2010
Version 2