

# CRYSTIC<sup>®</sup> GELCOAT 2208NPG

## Chemical Resistant Iso - NPG Brush Gelcoat

### Introduction

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

### Application

Crystic Gelcoat 2208NPG 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 and Benefits

Pure Iso - NPG base resin	Excellent resistance to hot water Excellent chemical resistance
No filler	Excellent gloss and gloss retention
Long term experience	Reliable history

### Formulation

Crystic Gelcoat 2208NPG 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.

### Geltime

Catalyst level and temperature will influence the geltime. Typical geltime at 20°C of Crystic Gelcoat 2208NPG 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.

### Physical Data - Uncured

Property	Unit	Liquid Gelcoat
Viscosity at 25°C (Brookfield HBT, Sp n <sup>2</sup> , 5rpm)	dPas	190 - 210
Thixotropic Index		2.0 - 2.5
Stability at 20°C	Months	3
Refractive Index n 20/D		1.557

### Physical Data - Cured

Property	Unit	Fully 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  
 $1\text{MPa} = 1\text{MN/m}^2 = 1\text{N/mm}^2 = 10.2\text{ kgf/cm}^2$

**Packaging**

Crystic Gelcoat 2208NPG is supplied in 25Kg kegs and 200Kg drums.

**Storage**

Crystic Gelcoat 2208NPG 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 and Safety**

Please see separate Material Safety Data Sheet.

Version 3 : February 2013

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