

CRYSTIC TOPCOAT 49PA Excel

Introduction

Crystic Topcoat 49PA Excel is a pre-accelerated, isophthalic topcoat containing polymeric granules to produce a textured, non-slip surface when cured. It has been designed to be post-applied to a GRP laminate surface by brush and is available in a restricted range of colours. The information contained in this leaflet also applies to these pigmented versions.

Formulation

Crystic Topcoat 49PA Excel should be allowed to attain workshop temperature (18-20°C) before use. Stir well by hand, or with a low shear mixer to avoid aeration, and then allow to stand to regain thixotropy. Crystic Topcoat 49PA Excel requires only the addition of catalyst to start the curing reaction. The recommended catalyst is Catalyst M (or Butanox M50) which should be added at 2% into the topcoat. (Please consult our Technical Service Department if other catalysts are to be used). The catalyst should be thoroughly incorporated into the topcoat, with a low shear mechanical stirrer, where possible.

Pot Life

Temperature	Pot Life in Minutes
15°C	25
20°C	16
25°C	10

Curing should not be carried out at temperatures below 15°C. The topcoat, moulding and workshop should all be at, or above, this temperature.

Application

For normal requirements, approximately 600-800g/m² of topcoat (depending on pigment) will give adequate thickness when evenly applied.

Before applying Crystic Topcoat 49PA Excel, the laminate surface must be properly prepared. The surface should have a residual tack, which can be achieved by wiping with acetone and light abrasion, if necessary.

Additives

Crystic Topcoat 49PA Excel is supplied in a restricted range of colours. This eliminates the potential for mixing errors with small quantities of pigment paste. The addition of fillers or pigments can adversely affect the properties of the cured flowcoat.

Post Curing

Curing at workshop temperature (20°C) will be satisfactory for many applications. If optimum properties are required, we recommend that the laminates are post-cured before the application of Crystic Topcoat 49PA Excel.

Typical Properties

The following tables give typical properties of Crystic Topcoat 49PA Excel.

Property		Liquid Gelcoat
Appearance		Filled opaque
Viscosity @ 25°C		thixotropic
Specific Gravity @ 25°C		1.1
Stability in the dark @ 20°C	months	3
Gel time @ 25°C using 2% Catalyst M (Butanox M50)	minutes	10

Storage

Crystic Topcoat 49PA Excel should be stored in the dark in suitable, closed containers. 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. Where they have to be stored outside, they should be stored in such a manner as to avoid the possible ingress of water.

Packaging

Crystic Topcoat 49PA Excel is supplied in 25kg and 225kg containers.

Health and Safety

Please see separate Material Safety Data Sheet

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