CRYSTIC® GLOSSCOAT

High Gloss Polyester Coating

Introduction
Crystic Glosscoat is a polyester coating designed to be applied over prepared Crystic Primecoat to give a glossier and more durable surface. The material hardens rapidly and can be easily sanded to a smooth surface which can be polished to high gloss.

Crystic Glosscoat can be mixed with Crystic Primecoat to improve the surface gloss and gloss retention of Primecoat. Mixing 1 part of Crystic Glosscoat to 1 part of Crystic Primecoat will give a significant improvement in gloss. Higher proportions of Glosscoat to Primecoat will further improve the gloss. For optimum levels of gloss, Glosscoat can be used on its own, as described below.

Applications
It is designed for spray application using gravity fed, siphon or pressure pot systems.

Gravity fed or siphon guns will require a line pressure of 40-60psi and a 1.5-2.0mm material nozzle. For pressure pot systems use a 10-20psi pot pressure and 40-60psi line pressure. It is important that the compressed air is free from impurities such as water and oil mist.

Application Guide
Ensure that the Crystic Glosscoat, the workshop and the pattern are at a minimum temperature of 15°C. A temperature of 20°C will give improved results.

1. Prepare pattern and apply Crystic Primecoat as per the Primecoat data sheet.

2. Abrade the Primecoat initially with 180 grit abrasive paper and finish with 240 grit. Remove surface dust and degrease with an acetone dampened cloth.

3. Mix Crystic Glosscoat thoroughly before use, add 3-5% of Crystic Pigment Paste and again stir thoroughly.

Dilute Glosscoat with 20-40% of Glosscoat Thinners and stir thoroughly until the desired consistency has been obtained.

Catalyse the resin content with 2% of Butanox M50 or Catalyst M and stir thoroughly. The pot life of this mixture should be at least 30 minutes so large areas can be sprayed without fear of gelation in the spray equipment.

4. Apply a mist coat and allow 2-5 minutes for the solvent evaporation. Follow with slightly heavier coats again allowing time between each coat for solvent evaporation. Six of these coats should give sufficient thickness to allow for abrasion to remove orange peel and final polishing while still leaving a reasonable thickness of Glosscoat.

5. The surface can be abraded after approximately 3 hours. As a guide, we suggest the use of a good quality wet or dry paper used wet, followed by successively finer wet or dry paper, again used wet.

6. After 24 hours, the surface can be compounded, preferably with a good quality compound such as Farecla G3 and a polishing machine to produce a high gloss surface. It can then be further enhanced with Crystic Farecla G10, if necessary, before applying release agents from our extensive range.

If you require any further information please contact our Technical Service Department.

Physical Data - Uncured
The following tables give typical properties of Crystic Glosscoat when tested in accordance with appropriate SB, BS EN or BS EN ISO test methods.

Property	Unit	Liquid Glosscoat
Stability at 20 ºC	Months	3

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

Packaging
Crystic Glosscoat is supplied in 5Kg, 25Kg and 200Kg containers.

Health and Safety
Please see separate Material Safety Data Sheet

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