# CrysticROOF Topcoat

## ISO Topcoat for Brush or Roller Application

### Introduction

CrysticROOF Topcoat is a pre-accelerated isophthalic topcoat. It is has been formulated for brush or roller application.

The Scott Bader Technical Service Department is able to provide information and advice relating to the use of composites products in a wide range of markets and applications.

### Applications

CrysticROOF Topcoat is suitable for use in general flat roofing applications.

### Features and Benefits

CrysticROOF Topcoat has been developed to ensure good intrinsic weathering properties and good water resistance. The robust formulation ensures the topcoat is suitable for use in a wide range of application conditions.

### Product Characteristics

Ideally the CrysticROOF Topcoat and ambient temperature should be at, or above, 15 ºC before curing is carried out. Lower temperatures will lengthen the cure time considerably. Stir well by hand, or with a low shear mixer to avoid aeration, and then allow to stand to regain thixotropy. CrysticROOF Topcoat requires only the addition of a catalyst to start the curing reaction. The recommended catalyst is Catalyst M (or Butanox M50), which should be added at 2 % into the gelcoat. (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. Please consult our Technical Service Department for further application advice.

For normal use, the application of CrysticROOF Topcoat should be controlled to 0.4 - 0.5 mm (0.015 - 0.020 inch) wet film thickness. As a guide, approximately 650-800 g/m$^2$ of topcoat mixture (depending on pigment) will give the required thickness when evenly applied. CrysticROOF Topcoat should be applied to clean and dry surfaces and when used outside when rain is not likely to fall within 2 hours of application.

### Properties

### Typical Properties

The following table gives typical liquid properties of CrysticROOF Topcoat when tested in accordance with Scott Bader test methods.

| Properties for CrysticROOF Topcoat | Method | Typical Result |
|---|---|---|
| Viscosity, 25 °C 0.6s$^{-1}$ | 3.41 | 250-350 poise |
| Viscosity, 25 °C 4500s$^{-1}$ | 3.6 | 4 – 8 poise |
| Specific gravity @ 25 °C | - | 1.7 |
| Stability in the dark @ 20 °C | - | 5 months* |
| Geltime 20 °C 2% Catalyst M (Butanox M50) | 5.25 | 7 – 12 minutes |

*From date of delivery

### Storage

CrysticROOF Topcoat should be stored in the original containers which must be kept closed and airtight. It is recommended that the storage temperature should be less than 20°C to achieve maximum storage life.

### Packaging

CrysticROOF Topcoat is supplied in 20kg and 225kg containers.

### Health And Safety

Please refer to Material Safety Data Sheet.

Aug 2010