

Technical Data Sheet

Issue No. 001
01-09-22



RESIN

Description

Acrypol Flexiglass® Resin is a high quality dark grey liquid topcoat based on isophthalic unsaturated polyester resin that is specifically designed to be used as part of the Flexiglass® GRP Multi Surface Overlay System.

Product use

To be used in conjunction with Acrypol Flexiglass® Primer to form a flexible Class 1 EXT. F.A.A. fire retardant system for use on external flat roofs.

Liquid properties

Dark grey, low viscosity, easy to apply & air free. The Acrypol Flexiglass® Resin exhibits effective air release properties, excellent cure at low temperatures and film levelling characteristics.

Characteristics and Cure

The Acrypol Flexiglass® Resin is designed for roller application.

Gel time < 20 minutes.

Ready to lay < 35 minutes

(2% Benzoyl Peroxide Dibuthyl Maleate (50%) @ 20°C)

Mechanical Properties

(*Properties of the cured unreinforced resin)

Tensile Elongation - ISO 527 (2012) - 75-100%

HDT - ASTM D 648 ISO 75A (2013) - max 20°C

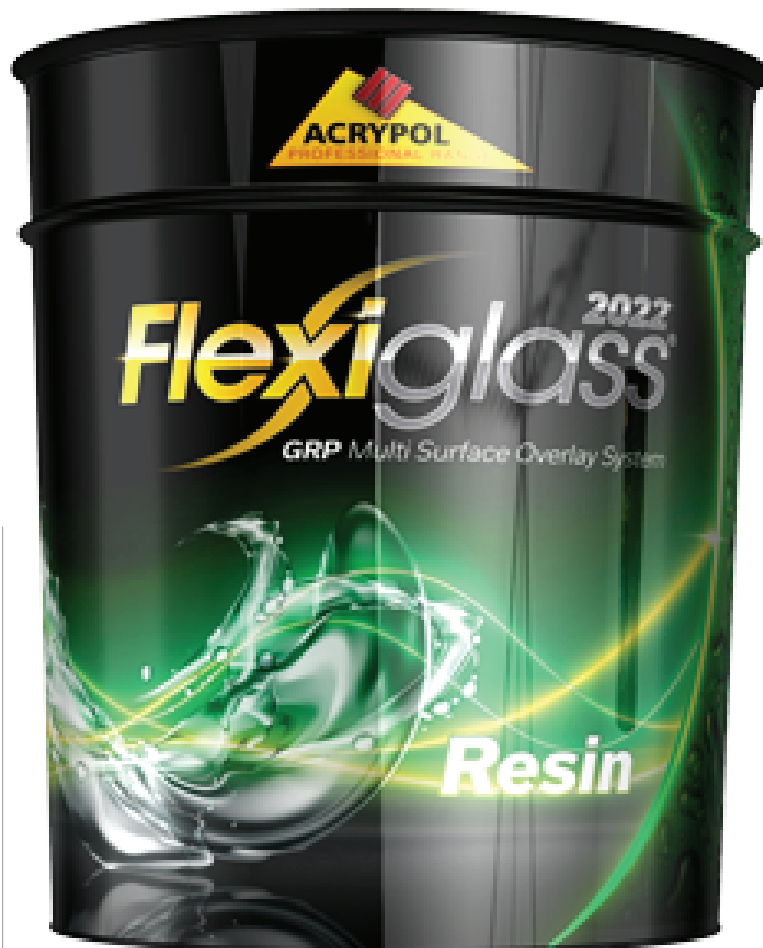
Health & Safety

Please refer to separate Material Safety Data sheet.

Avoid curing gelcoats in bulk.

Application

Acrypol Flexiglass® Resin should be ideally used between temperatures of 5°C-30°C. Gently agitate the Resin before use and leave to stand for a short period of time to allow the material to regain the thixotropy. Add 2% - 5% of Benzoyl Peroxide Dibuthyl Maleate (50%)



to the Resin for a sufficient cure. Care must be taken to avoid incorporating air into the material when mixing. Apply the Resin evenly over the primed substrate surface. Avoid any water contamination to the Resin surface prior to full cure. Water tight after 40 minutes*

Please refer to Acrypol Flexiglass® Application Guide for more information available at cromar.uk.com.

Storage and Packaging

Store away from any direct sunlight in the original, factory sealed airtight containers. Avoid storing outdoors. Store below 20°C but freezing conditions must be avoided.

The shelf life & properties of the Topcoat can be adversely affected by incorrect storage conditions. Only open containers immediately before use & close airtight after use.

Acrypol Flexiglass® Resin is available in 20kg pack sizes.

Resins are stable for 3 months from point of sale. After extended storage, some drift may occur in gel time.

Disclaimer

The information provided in this technical data sheet is based on controlled laboratory testing and is suitable for guidance purposes only. Cromar recommends that customers should check all materials on a trial basis, prior to full production in their specific working conditions, to satisfy themselves of product suitability.