

Technical Data Sheet

isopol.multiline FGB15A BRUSHING GELCOAT

Description

isopol.multiline FGB15A Brushing Gelcoat is a clear filled isophthalic acid modified unsaturated polyester resin brush gelcoat

Product Use

isopol.multiline FGB15A Brushing Gelcoat is a general purpose brush gelcoat for manufacture of general mouldings

Liquid Properties

The isopol.multiline FGB15A Brushing Gelcoat is a clear or white, thixotropic brush gelcoat

Characteristics and Properties

isopol.multiline FGB15A Brushing Gelcoat can be supplied clear or pre-pigmented white. The FGB15A range of products is formulated for ease of application and to have good cost versus performance. It exhibits effective air release. These products are also low in styrene content.

Gel Time < 15 minutes
(2% medium reactive MEKP @ 25°C)

Mechanical Properties

(*Properties of the cured unreinforced resin)

Viscosity @ 25°C - 18-22 Poise
Thixo Ratio - High
Styrene Content % - 27%

Health and Safety

Please refer to separate Material Safety Data sheet. Avoid curing gelcoats in bulk.

Application

The isopol.multiline FGB15A Brushing Gelcoat should be ideally conditioned to a temperature between 18-23°C before use. Workshop & mould temperature should also be in the same temperature range. Gently agitate the gelcoat before use and leave to stand for a short period of time to allow the gelcoat to regain the thixotropy. Add 1.5 – 2.5% of a general purpose methyl ethyl ketone peroxide (MEKP) to the gelcoat for a sufficient cure. Care must be taken to avoid incorporating air into the gelcoat when mixing. Apply the gelcoat evenly across the mould surface with a target film thickness of 500-700 microns. Always check the wet film thickness and laminate within 24 hours.

Post-curing

For many applications, sufficient post-curing is possible in typical workshop temperatures between 15-25°C. For optimum gelcoat performance, parts must be fully post-cured prior to being put into service (24 hours @ 20°C, followed by 48 hours @ 40°C).

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 gelcoat can be adversely affected by incorrect storage conditions. Only open containers immediately before use & close airtight after use. isopol.multiline FGB15A Brushing Gelcoat is available in multiple pack sizes. Use within 4 months of date of manufacture.



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

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