

# TECHNICAL DATA SHEET

## GELCOAT ISO BRUSH BLACK

### PRODUCT IDENTIFIER

<b>Product Name:</b>	<b>Gelcoat ISO Brush Black</b> <b>1577034 Rev.0</b>
<b>Revision Date:</b>	30-SEP-2025

### Description

Gelcoat ISO Brush Black brushing gel is a preaccelerated, isophthalic polyester brushing gelcoat (medium viscosity). Available in wide range of colours.

### Product Use

Gelcoat ISO Brush Black is a filled moulding gelcoat for hand lay-up. Suitable for general moulding.

### Liquid Properties

The Gelcoat ISO Brush Black brushing gelcoat is a cream-coloured, thixotropic unpigmented gelcoat.

### Characteristics & Properties

For brush application, free from air and can be used clear or pigmented with high quality pigment pastes. The product exhibits good ease of application and fast curing. Gel Time 2% MEKP @ 25°C : <15 minutes

### Mechanical Properties

*(\*Properties of the cured unreinforced resin)*

Tensile Strength - 82N/mm<sup>2</sup>

Tensile Elongation - 4%

Flexural Strength - 104N/mm<sup>2</sup>

Flexural Modulus - 4500N/mm<sup>2</sup>

HDT - 77°C

Water absorption. 24hrs - 0.13%

Water Absorption. 7 days - 0.40%

Water Absorption. 28 Days - 0.83%

### Important

Depending on the type of catalyst, the gel and cure time of the Gelcoat ISO Brush Black may vary in performance. Mould, workshop & gelcoat temperature will also affect the products

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performance. It is recommended that Gelcoat ISO Brush Black or any pigmented version of this gelcoat should be checked for curing performance and ease of application on small scale prior to running full production.

## Application

Before use, the Gelcoat ISO Brush Black should be conditioned to a temperature between 18–25 C and the temperature in the workshop should be within the same range. The gelcoat requires 1.5–2.5% medium active MEKP depending on ambient temperature for a sufficient cure. For the best results, the brushing gelcoat should be applied to a clean, dry, polished mould in one even layer 500–700 microns (0.5–0.7mm thickness) wet. the gelcoat film should be laminated when it is sufficiently cured (firm but tacky). Do not allow the gelcoat to cure for too long.

## Post-Curing

For many applications, sufficient postcuring 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 & 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. Gelcoat ISO Brush Black is available in multiple pack sizes. Use within 4 months of date of manufacture.

## Health & Safety

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

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