

TECHNICAL DATA SHEET

TOPCOAT BR BLACK

PRODUCT IDENTIFIER

Product Name:	Topcoat BR Black 1577015 Rev.0
Revision Date:	19-SEP-2025

MAIN CHARACTERISTICS

Description

Topcoat BR Black is a pre-accelerated, thixotropic, isophthalic polyester brushing topcoat which is available in a wide range of colours. (The information in this technical data sheet applies to all colour variations).

Product Use

Topcoat BR Black is a general-purpose brushing topcoat to aesthetically improve lamination on GRP mouldings.

Liquid Properties

Topcoat BR Black is a thixotropic, air free liquid.

Characteristics & Cure

Exhibits effective air release properties as well as water resistance. The Topcoat BR Black is designed to be applied for roller or brush applications with a tack free finish.

Gel Time < 15 minutes

(2% medium reactive MEKP @ 25°C)

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Mechanical Properties

*(*Properties of the cured unreinforced resin)*

Barcol Hardness – EN59 – 42

Tensile strength I – SO 527 (2012) – 82

MPa Tensile Elongation – ISO 527 (2012) – 4%

Flexural Strength – ISO 178 (2011) – 102 MPa

Flexural Modulus ISO 178 (2011) – 4500 MPa

HDT – ISO 75-2A (2013) – 77°C

Health & Safety

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

Application

Topcoat BR Black 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 topcoat before use and leave to stand for a short period of time to allow the topcoat to regain the thixotropy. Add 1.5 – 2.5% of a general purpose methyl ethyl ketone peroxide (MEKP) to the topcoat for a sufficient cure. Care must be taken to avoid incorporating air into the topcoat when mixing. Apply the topcoat evenly across the mould surface with a target film thickness of 500–800 microns. Always check the wet film thickness.

Post-Curing

For many applications, sufficient post-curing is possible in typical workshop temperatures between 15–25°C. For optimum topcoat 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 topcoat can be adversely affected by incorrect storage conditions. Only open containers immediately before use & close airtight after use. Use within 4 months of date of manufacture.

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