

TECHNICAL DATA SHEET

GELCOAT ISO BRUSH DOVE GREY

PRODUCT IDENTIFIER

Product Name:	Gelcoat ISO Brush Dove Grey 1577042 Rev.0
Revision Date:	23-SEP-2025

MAIN CHARACTERISTICS

Product Type

Preaccelerated Unsaturated polyester Top Coat in styrene, Isophthalic Modified

Appearance

Various Colours

Key Features & Benefits

Filled
Good resistance to Surface Yellowing
Medium reactivity
Paraffinated
Pigmented
Preaccelerated
Super Low Viscosity
Thixotropic

Description

Designed for coating flat surfaces exhibiting good levelling properties.
BR Top Coats are ready to use, easy to brush, sag resistant, fast curing and require only the addition of the correct amount of an appropriate MEKP to cure .
Topcoats are not designed to be used for swimming pool recoating/relining applications .
Topcoats contain wax and cure tack free to provide an attractive cosmetic film on the back of composite pieces. They are not suitable to be used as in Mould applied gel coats.

Application

Brush grade materials are designed for hand application to the mould and carefully levelled with a brush for even thickness.
Brush grade materials are not designed for spraying or diluted with solvent to spray.
Do mix the Gel coat prior to use, preferably using a mechanical mixer with sufficient power for the appropriate container at low rpm.
Mixing for 10 minutes every day is usually sufficient. Do NOT use air bubbling directly to mix.
Do not overmix the gel coat, it may break down viscosity, increasing tendency to sag and also result in styrene loss which could contribute to porosity.
Ensure Gel coat is used at minimum liquid temperature of 18°C including the mould used and workshop environment conditions.
Film thickness above 600 micron may pre-release, trap porosity, crack and are more subject to weathering discolouration.
Film thickness below 300 micron may not cure properly, may be hard to patch, have more print through, and be more susceptible to water blisters.
Follow best practice application techniques.

TECHNICAL DATA SHEET

Ideal thickness is 500 micron with a range of 400-600 microns wet film.
This top coat is ready to use – It contains wax to allow tack free curing.
Use only the recommended MEKP Peroxide dosage between 1.2 to 3.0% w/w

Shelf Life & Storage

Please ensure you rotate stock and use within shelf life.

Please note the Shelf life for this product relates to unopened containers; Only open container prior to use.

Read carefully the Safety Data Sheet before use Store in the shade, out of direct sunlight.

Keep storage temperature below 25°C.

Shelf-life will be reduced at higher temperature.

CHARACTERISTICS⁽¹⁾

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Shelf life at 23°C in the dark		months	4
Density - 25°C	MT-C G 001 O	g/cm³	1.10 - 1.28
Solid content	MT-CG 001C	%	62 - 69
RHEOLOGY			
Brookfield viscosity at 23°C, sp 5 rpm 5	MT-CG 025V	mPa.s	4000 - 8000
Brookfield viscosity: 5 rpm / 50 rpm at 25°C	MT-CG 025V		3.8 - 4.5
REACTIVITY			
Gel Time at 25°C + 1,8% MEKP50	MT-C G003 R	minutes	8 - 13
Curing time at 25°C + 1,8% MEKP50	MT-C G003 R	minutes	15 - 30
Peak exotherm at 25°C + 1,8% MEKP50	MT-C G003 R	°C	145 - 170
FILM PROPERTIES			
Tack free Film cure : 500-700u at 25°C	MT-C G 901 R	min.	<60
Complete Hide	MT-C G 901 Q	microns wet	Depends upon colour

1) Thoroughly test the gelcoat in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.

PROPERTIES OF THE GELCOAT'S BASE RESIN IN CURED STATE⁽²⁾

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Curing cycle	16h at 40°C		
HDT	ISO 75-2A (2013)	°C	54
Tensile strength	ISO 527 (2012)	MPa	59
Elongation at break	ISO 527 (2012)	%	3.8

TECHNICAL DATA SHEET

2) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

DISCLAIMER

The information contained in this document (which is to be intended only for explanatory purposes) is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of publication. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing in the information contained in this document shall be deemed to be a warranty or a representation (explicit or implicit) by the manufacturer, and/or taken or construed as infringing of any existing patents. The manufacturer shall not be under any liability or responsibility for any of the information provided under this document or for any errors, omissions or misstatements, even with regard to results to be obtained through the use of the aforesaid information.

This information is provided in good faith and every reasonable effort is made to ensure that it is accurate and up-to-date. Tricel Composites (GB) Ltd. shall not be liable for any damage arising, directly or indirectly, from the use of the information contained herein. It is issued on the condition that the user will determine the safety and suitability of this product for their purposes before use. Regulations are country-specific and local information should be sought before placing your product on the market.

Tricel Composites (GB) Limited

Unit A, Foxway,
Off Atkinson Street,
Leeds, West Yorkshire,
LS10 1PS.

Tel: +44 (0)113 270 3133

Email: sales@tricelcomposites.co.uk

Tricel Composites (NI) Limited

Unit 4, Milltown Ind. Estate, Greenan Road.
Warrenpoint, Newry
Co. Down,
BT34 3FN.

Tel: +44 (0)284 175 3738

Email: sales@tricelcomposites.co.uk