GELCOAT ISO BRUSH BRIGHT BLUE

PRODUCT IDENTIFIER

Product Name:	Gelcoat ISO Brush Bright Blue	
	1577048 Rev.0	
Revision Date:	23-SEP-2025	

MAIN CHARACTERISTICS

Product Type Key Features & Benefits

Preaccelerated Unsaturated polyester Top Coat Filled

in styrene, Isophthalic Modified Good resistance to Surface Yellowing

Medium reactivity

AppearanceParaffinatedVarious ColoursPigmented

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.

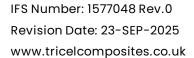
Brush grade materials are not designed for spraying or diluted with solvent to spray.

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.

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		months	4		
dark					
Density - 25°C	MT-CG0010	g/cm³	1.10 - 1.28		
Solid content	MT-CG 001C	%	62 - 69		
RHEOLOGY					
Brookfield viscosity at	MT-CG 025V	mPa.s	4000 - 8000		
23°C, sp 5 rpm 5					
Brookfield viscosity: 5	MT-CG 025V		3.8 - 4.5		
rpm / 50 rpm at 25°C					
REACTIVITY					
Gel Time at 25°C + 1,8%	MT-C G003 R	minutes	8 – 13		
МЕКР50					
Curing time at 25°C +	MT-C G003 R	minutes	15 – 30		
1,8% MEKP50					
Peak exotherm at 25°C +	MT-C G003 R	°C	145 - 170		
1,8% MEKP50					
FILM PROPERTIES					
Tack free Film cure :	MT-CG901R	min.	<60		
500-700u at 25°C					
Complete Hide	MT-CG901Q	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.

IFS Number: 1577048 Rev.0 Revision Date: 23-SEP-2025 www.tricelcomposites.co.uk



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)	МРа	59
Elongation at break	ISO 527 (2012)	%	3.8

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.

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