TECHNICAL DATA SHEET

TRICURE ISO BR GREY 22A311C

PRODUCT IDENTIFIER

Product Name:	**TriCure ISO BR Grey 22A311C 1075794 Rev.2**
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
TriCure ISO BR Grey 22A311C is 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.

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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 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

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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