



TRICEL
COMPOSITES

TRIROOF ROOFING TOPCOAT Technical Data Sheet

TriRoof Roofing Topcoat is a pre-accelerated topcoat based on modified isophthalic unsaturated polyester resin.

Specially formulated for finishing application, this product is easy to use with highly controlled rheological properties, providing high resistance to sagging, excellent levelling and good resistance to yellowing. It is formulated to provide a complete hide in wet film thickness of 500µm

See TriRoof Standard Dark Grey Topcoat MSDS for more information



Features

Properties	Test method	Conditions	Unit	Typical values
Density	MT-C G 001 O	25°C	g/cm ³	1,10 - 1,28
Solid content	MT-C G 001 C	15mn at 150°C	%	62 - 69
Viscosity	MT-C G 025 V	25°C - Spindle 5 - 5 rpm	mPa.s	4000 - 8000
Thixotropic index	MT-C G 025 V	5/50 rpm		3,8 - 4,5
Gel time	MT-C G 003 R	Catalyst : Low activity catalyst	min	8 - 13
Peak time	MT-C G 003 R		min	15 - 30
Peak exotherm	MT-C G 003 R	(200g - 25°C - 1,8% MEKP)	°C	145 - 170
Tack free time	MT-C G 901 R	(500µ - 20°C - 2% MEKP)	min	< 60
Sag resistance	MT-C G 901 O		µm - wet	500
Hide Colour	MT-C G 901 Q MT-C G 003 L	Dependant upon colour	µm - wet	500 - 700 Depends colour

PROPERTIES OF THE CURED UNREINFORCED RESIN

Properties	Test method	Conditions	Unit	Typical values
H.D.T	ISO 75 - 2A (2013)	16h at 40°C	°C	54
Tensile strength	ISO 527 (2012)	16h at 40°C	MPa	59
Elongation at break	ISO 527 (2012)	16h at 40°C	%	3,8

- 1) Thoroughly test 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.
- 2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different geltimes. Always test on small scale before formulating large quantities.

Storage Conditions

It should be stored in a dry, clean and cool place (15-25 °C) in closed packages. The shelf life of the product is valid for this temperature range and it should not be forgotten that it will shorten at high temperatures. Products with the same charge number and date must be stored together.

Another factor that affects the life of unsaturated polyester resins containing styrene is sunlight. Styrene must be polymerized in the sunlight and products that are considered to shorten the life of the product should be avoided from direct sunlight contact.

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 purpose prior to use. Regulations are country-specific and local information should be sought before placing your product on the market.

