

METRODECK ROOFING TOPCOAT

First Emission: 09/01/2025

Version: 0, 09/01/2025

Product type

Preaccelerated Unsaturated polyester Fire Retardant Top Coat in styrene

Appearance

Various Colours

Description

Metrodeck Roofing Topcoat is a speciality Fire Retardant Roofing TOPCOAT for speciality flat roof systems
Please contact your CFS Fibreglass representative for full details
These are available in a limited range of colours, but colour matching requests are possible.
This product range is ready to use and exhibit good application characteristics.
This range contains only styrene monomer as reactive diluent.
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.

Key Features & Benefits

Filled
Fire retardant properties
Low styrene content
Low viscosity
Paraffinated
Pigmented
Preaccelerated

Application

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.
Ensure Gel coat is used at minimum liquid temperature of 18°C including the mould used and workshop environment conditions
Ideal thickness is 500 micron with a range of 400-600 microns wet film
The final Fire resistance properties could change following the final structure of the piece and its use's condition. It will be necessary to verify the final properties on a prototype before industrial production.
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 and 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
Storage stability at 23°C in the dark		months	4
Density - 25°C	MT-CG 001O	g/cm ³	1.3-1.4
Solid content	MT-CG 001C	%	70-80
Rheology			
Brookfield viscosity at 25°C, sp 5 rpm 5	MT-CG 025V	mPa.s	11000-15000
Brookfield viscosity: 5 rpm / 50 rpm at 25°C	MT-CG 025V		4.0-4.6
Reactivity			
Gel Time at 25°C + 1,8% MEKP50	MT-CG 004R	minutes	11-14
Curing time at 25°C + 1,8% MEKP50	MT-CG 004R	minutes	15-28
Peak exotherm at 25°C + 1,8% MEKP50	MT-CG 004R	°C	120-150
Film Properties			
Tack free Film cure : 500-700u at 25°C	MT-CG 901R	min.	<60

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⁾

Curing cycle	16h at 40°C		
HDT	ISO 75-2A (2013)	°C	54
Tensile strength	ISO 527-2 (2019)	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.

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.