

SILVERSEEL

TOPCOAT RESIN

Description

Pre-accelerated top coat based on Isophthalic unsaturated polyester resin. Cured using MEKP peroxide. Modified with additives to improve fire retardant properties and reduce surface spread of flame.

Use Areas

This TOP COAT product is formulated to be applied to the back surface of laminates to provide a tack free surface finish. It should not be used as a gel coat.

This topcoat is formulated to be used on interior and exterior applications where added fire retardancy is required.

Optimum Fire retardant performance is achieved in conjunction with suitable Fire Retardant resins.

Properties / Advantages

Specially formulated for finishing applications.

The product is easy to use. Rheological properties are adapted for ease of application, levelling and air release.

This product has resilient mechanical properties.

Appearance

Standard product is available in neutral, off-white and grey colours. Other colours can be offered upon request.

The product is formulated to assure complete hide in wet film thickness of 600µm.

TOP COAT : Contains wax

SLV : Super Low Viscosity variant

Application

This top coat is ready to use by application with a brush or roller.

Mix the product slowly but thoroughly for 10 minutes prior to each shift start up. Apply the correct film thickness. A wet film thickness between 500 to 600µm is required ideally working with a brush to ensure a level even thickness of 500µm.

Check that the correct level of MEKP is added. A level of 1,8% w/w is recommended. Do not use more than 3% w/w or lower than 1,2% w/w of MEKP catalyst.

Minimum application temperature : 15°C

This product is not designed for use with a spray gun.

Storage / Shelf Life

When the product is sealed in its original packing, stored indoors away from direct sunlight and direct heat sources and ideally at ambient temperature between 15°C and 25°C .

FEATURES OF LIQUID PRODUCT

Properties	Test method	Conditions	Unit	Typical values
Density	MT-C G 001 O	25°C	g/cm ³	1,2 - 1,3
Solid content	MT-C G 001 C	15mn at 150°C	%	65 - 73,5
Viscosity	MT-C G 025 V	25°C - Spindle 5 - 5 rpm	mPa.s	3000 - 10000
Thixotropic index	MT-C G 025 V	5/50 rpm		2,8 - 4,2
Gel time	MT-C G 004 R	Catalyst : Low activity catalyst	min	8 - 13
Peak time	MT-C G 004 R		min	14 - 25
Peak exotherm	MT-C G 004 R	(200g - 25°C - 1,8% MEKP)	°C	160 - 190
Film cure	MT-C G 901 R	(500µ - 20°C - 2% MEKP)	min	< 60
Sag resistance	MT-C G 901 O		µm - wet	N.A.
Hide	MT-C G 901 Q	Dependant upon colour	µm - wet	300 - 600
Colour	MT-C G 003 L			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