

*Product Data Sheet**Last update: September 2021*

Description	Two components aliphatic polyurethane coating with excellent gloss and colour retention.
Principal Characteristics	Excellent resistance to atmospheric exposure Non chalking and non yellowing Resistant to splash of mild chemicals Good resistant to water and solvent Easily over coated over extended periods Resistant to impact, abrasion in marine and industrial corrosive atmosphere
Recommended use	As a deluxe finishing coat on a wide variety of any substrate especially in marine and industrial atmosphere

Specification data on 20 °C

Gloss	High gloss
Colour	White and colour, see standard colour card.
Specific gravity	1.20 ±0.15 [g/mL]
Solids by volume	56 ± 2 %
Recommended	Dry film thickness : 50-75 micron Wet film thickness : 89-134 microns
Coverage theoretical	7.4 m ² / litre - 75 micron
Drying time	Touch Dry : 3 Hours at 30 °C Hard Dry : 7 Hours
Pot Life	7 Hours (after mixing components)
Full cure	7 days
Painting interval	Min : 12 hours ; max : unlimited
VOC	454 g/litre (base), 271 g/litre (hardener)
Shelf Life	12 months (cool and dry place)
Flash point (DIN 53213)	Base = 25,3 °C, Hardener = 38 °C
Service Temperature	Continuous : 100 °C Periodic : up to 120°C

Surface Preparation

Substrate	Recommended
New Steel	Blast Cleaned SSPC-SP10 ISO Sa2 ½
The surface to be painted	Must be clean, free from rust, oil grease or other foreign matter using wash, detergent, or solvent wipe.

Preceding coat : SIMACOVER EP PRIMER or SIMACOVER EP COATING

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Application instruction

Condition	Recommended		
Temperatur	Min 10°C, max 35°C		
Relative humidity	Max 85 %		
Substrate temperature	should be at least 3°C above dew point.		
Mixing ratio	Base : Hardener = 7 : 1 [by volume] temperature of the mixture should be above 15°C		
Thinner	Sima Thinner 43-00 should be added after mixing the components, and stir well before use preferable by means of mechanical mixer. Too much solvent result in lower sag resistance and slower cure.		
Method of application	Thinner	Nozzle Orifice	Nozzle Pressure
	1. Airless spray	Max 10 %	0.018 (0.46 mm)
	2. Air Spray	10-15%	2 mm
	3. Brush	Max 5 %	-
			150 Bar (2100 psi)
			4 Bar/57 psi
			-

Packing and size instruction

Packing size (two packs product) : 5 and 20 litres

Storage The product must be storage in accordance with national regulation. Preferred storage condition are to keep the containers in the dry space provided with adequate ventilation. The containers should be sealed tightly.

Safety Precaution Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Ventilation shall be maintained from coating application until the completion of curing in order to remove residue of solvents and promote curing. Do not breathe the vapour or spray. This product is flammable. Keep away from sources of ignition. Do not smoke.

HEALTH AND SAFETY: For detailed information on the health and safety hazards and precaution for use of this product, please see the SAFETY DATA SHEET (SDS).

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