

Simacover EP Coating 2404-00
Product Data Sheet
Last update: September 2021

Description	Two components high build polyamide and recoatable epoxy coating/finish
Principal Characteristics	Resistant to abrasion, impact, water and splash of mild chemicals Can be top-coated with all paint types, even after long weathering time With simple preparation, could be applied directly, over on aged epoxy paint with good adhesion result Can be applied easily both by air/airless spray, brush or roller Good adhesion on other weathered epoxy coatings
Recommended use	Designed as a general purpose epoxy buildcoat or finish in marine and protective coating system for steel and concrete structure exposed to atmospheric condition
Specification data on 20 °C	
Gloss	Semi gloss
Colour	White, grey
Specific gravity	1.40 ± 0.15 [g/mL]
Solids by volume	62 ± 2 %
Recommended	Dry film thickness : 75 micron Wet film thickness : 120 micron
Coverage theoretical	8,26 m ² / litre, for dft 75 micron
Drying time	Touch dry : 2 Hours at 30 ^o C Hard dry : 7 Hours
Full cure	7 days
Potlife	5 Hours (after mixing components)
Painting interval	Min : 4 hours ; max : unlimited
VOC	316 g/litre (base), 496 g/litre (hardener)
Shelf Life	12 months (cool and dry place)
Flash point (DIN 53213)	Base = 76 °C, Hardener = 70 ^o C
Service temperature	Continuous : 100°C Periodic : up to 120° C

Surface Preparation

Substrate	Recommended
The surface to be painted	dry and clean, free from oil, grease, dust and other contaminants.
Previous coat	sweep blast cleaned to find sufficiently roughened.

Application instruction	Preceding coat : SIMACOVER PRIMER 1400-00 Finish coat required : SIMATHANE GLOSS 3500-00
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Condition	Recommended
Temperatur	Min 5°C, max 50°C

Relative humidity	Max 85 %		
Substrate temperature	should be at least 3 ⁰ C above dew point.		
Mixing ratio	Base : Hardener = 4 : 1 [by volume] temperature of the mixture should be above 15 ⁰ C		
Thinner	Sima Thinner 44-00 could be added after mixing the components, and stir well otherwise extra solvent may be required to obtain application viscosity. Too much solvent result in lower sag resistance and slower cure		
Method of application 1. Airless spray 2. Air Spray 3. Brush	Thinner	Nozzle Orifice	Nozzle Pressure
	Max 10 %	0.019 (0.48 mm)	150 Bar (2100 psi)
	5-15%	3 mm	4 Bar/57 psi
	Max 5 %	-	-

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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