

Simacover EP Buildcoat 2400-00

Product Data Sheet

Last update: September 2021

Description	Two components high build polyamide cured epoxy build coat
Principal Characteristics	Used as a build coat on properly primed steel; inorganic zinc silicate primers. Resistant to water and splash of mild chemicals and solvent.
Recommended use	As a second coat on top of zinc silicate primers, and used for On shore, offshore and protective application.

Specification data at 20 °C

Gloss	Flat
Colour	Off white, Grey, Light Grey
Specific gravity	1.40 ± 0.15 [g/mL]
Solids by volume	63 ± 2 %
Recommended	Dry film thickness : 75 micron Wet film thickness : 120 micron
Coverage theoretical	8.4 m ² / litre - 75 micron
Drying time	Touch dry : 3 hours at 30 °C Hard dry : 12 hours
Full cured	7 days
Potlife	7 Hours (after mixing components)
Painting interval	Min : 10 hours ; max : 6 months
VOC	369 g/litre (base), 496 g/litre (hardener)
Shelf Life	12 months (cool and dry place)
Flash point (DIN 53213)	Base = 63,4 °C, Hardener = 69,5 °C
Service temperature	Continuous : 100°C Periodic : up to 120°C

Surface Preparation

Substrate	Recommended
Previous suitable primer	Dry and cleaned free from zinc salts, oil, grease and other contaminants.
The surface to be painted	Roughened the surface to be coat to ensure good inter-coat adhesion.

System specification	Preceding coat : SIMAZINC SILICATE MC Finish coat required : SIMACOVER EP FINISH; SIMATHANE GLOSS
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Application instruction

Condition	Recommended
Temperatur	Min 5 °C, max 50 °C
Relative humidity	Max 85 %

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Substrate temperature	should be at least 3°C above dew point.		
Mixing ratio	Base : Hardener = 4 : 1 [byvolume] temperature of the mixture should be above 15°C		
Thinner	Sima Thinner 44-00 could be added after mixing the components, and stir well		
Method of application 1. Airless spray 2. Air Spray 3. Brush	Thinner	Nozzle Orifice	Nozzle Pressure
	Max 10 %	0.017-0.023 (0.430.58 mm)	150 Bar / 2100 psi
	Max 15%	3 mm	4 Bar/57 psi
	Max 5 %	-	-

Over coating table

	Substrate temperature			
	10°C	20°C	26°C	32°C
Minimum interval	24 hours	10 hours	5 hours	5 hours
Maximum interval	6 months	6 months	6 months	6 months
Surface should be cleaned from chalking and contaminant after long weathering period, glossy finishes may require an undercoat when weathered SIMACOVER EP BUILD COAT to be recoated				

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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