

## Simacover EP Primer 1400-00

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

<b>Description</b>	Two components, epoxy polyamide primer
<b>Principal Characteristics</b>	Good adhesion properties Good corrosion resistance. Suitable for recoating with all type paint (alkyd, vinyl, chlorinated rubber, epoxy/coal-tar and polyurethane Good water resistance Good abrasion resistance Suitable on wet or dry blast cleaned substrates
<b>Recommended use</b>	As general-purpose primer for use in new construction and maintenance in severely corrosive marine and industrial environment

### Specification data on 20 °C

Gloss	Eggshell
Colour	Light grey, red brown
Specific gravity	1.40 ± 0.15 [g/mL]
Solids by volume	57 ± 2 % (value by mixed)
Recommended	Dry film thickness : 50 - 125 micron Wet film thickness : 88 - 219 micron
Coverage theoretical	11.4 m <sup>2</sup> / litre - 50 micron; 4.56 m <sup>2</sup> / litre - 125 micron
Drying time	Touch dry : 1 Hour at 30 °C Hard dry : 5 Hours
Full cure	7 days
Potlife	6 Hours (after mixing components)
Painting interval	Min : 8 hours max : 6 months
VOC	336 g/litre (base), 496 g/litre (hardener)
Shelf Life	12 months (cool and dry place)
Flash point (DIN 53213)	Base = 25 °C, Hardener = 26 °C
Service temperature	Continue : 100°C Periodic up to : 120°C

### Surface Preparation

Substrate	Recommended
New Steel	Blast cleaned to SSPS-SP 10, ISO Sa2 ½
Galvanized steel and non ferrous metals	Light abrasive sweeping and remove oil, grease, salts with cleaning solvent
Maintenance	remove all rust and loose material by blast cleaning or hand/power tool cleaning.

<b>Can be topcoated with</b>	all paint types Simarine BTD, Simathane Gloss, Simacover Tar Epoxy, Simachlor.
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**Application Instruction**

Condition	Recommended		
Temperatur	Min 5°C, max 50°C		
Relative humidity	Max 85 %		
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 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 1. Airless spray 2. Air Spray 3. Brush	Thinner	Nozzle Orifice	Nozzle Pressure
	Max. 10%	0.018 (0.46 mm)	150 Bar / 2100 psi
	Max. 10%	1.5 - 2 mm	3-4 Bar/43-57 psi
	Max. 5%	-	-

Over coating table for two packs epoxy or polyurethane :

	Substrate temperature			
	10°C	20°C	32°C	40°C
Minimum interval	16 hours	8 hours	6 hours	4 hours
Max. interval when not expose to daylight	6 months	6 months	4 months	3 months
Max. interval when expose to daylight	3 months	3 months	2 months	2 months
Figure are valid for DFT 100 microns SIMACOVER EP PRIMER and surface should be cleaned from chalking and contaminant				

Over coating table for other products :

	Substrate temperature			
	10°C	20°C	32°C	40°C
Minimum interval	10 hours	5 hours	3 hours	2 hours
Maximum interval	21 days	10 days	7 days	7 days
Figure are valid for DFT 100 microns SIMACOVER EP PRIMER and surface should be cleaned from chalking and contaminant				

**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.

*Last update: September 2021***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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