

**Simazinc EP Primer 1402-00***Product Data Sheet**Last Update: September 2021*

<b>Description</b>	Two components zinc rich polyamide cured epoxy primer
<b>Principal Characteristics</b>	Refer to requirements of SSPC Paint 29 and ISO 12944 Fast drying Good abrasion and corrosion resistance Formulated as a shop primer and system primer for wide various topcoat Easy to apply both, by spray, or brush
<b>Recommended use</b>	As an excellent primer for use in new construction, both in severely corrosive marine and industrial environment.
<b>Specification data on 20 °C</b>	
Gloss	Flat
Colour	Grey
Specific gravity	1,8 ± 0.15 kg/litre
Solids by volume	50 ± 2 %
Recommended	Dry film thickness : 50 - 75 microns Wet film thickness : 100 - 150 microns
Coverage theoretical	10 m <sup>2</sup> / litre - 50 microns; 6.7 m <sup>2</sup> / litre - 75 microns
Drying time	Touch Dry : 1 Hour at 30 °C Hard Dry : 6 Hours
Full cure	7 days
Painting interval	Min : 6 hours ; max : 6 months
VOC	427 g/litre (base), 598 g/litre (hardener)
Flash point (DIN 53213)	Base 12°C ; hardener 100°C
Pot life	12 hours, (after mixing the components)
Shelf life	Use within 12 months of production (cool and dry place)

**Surface Preparation**

Substrate	Recommended
New Steel	blast cleaned in situ at least SSPC-SP 10 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, Simacover Tar Epoxy, Simathane Gloss, Simachlor.

**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 by volume	Base: Hardener = 3 : 1, temperature of the mixture should be above 15°C		
Thinner use	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 %,	0.19”	150 Bar (2100 psi)
	5-15%	2 mm	4 Bar/57 psi
	Max. 10 %	-	-

Over coating table for DFT 35 - 50 microns :

Substrate temp.	10 °C	26 °C	36 °C	40 °C
Min. interval	8 hours	5 hours	4 hours	3 hours
Max. interval	Several months when free from zinc salts and contaminant			

- Zinc rich primer can form zinc salts on the surface, they should not be weathered for long periods before over coating.
- An interval of several months can be allowed, however, under clean interior exposure conditions.
- In clean exterior conditions maximum interval of 14 days can be tolerated, but in industrial or marine conditions this interval should be reduced to the practical minimum.
- At all time visible surface contamination must be removed before over coating by high pressure water cleaning, sweep blasting or mechanical cleaning

**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. Ensure that there is adequate ventilation in the area where the product is being applied. 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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