

Last update: September 2021

DESCRIPTION	A two component high build alkylated amine epoxy phenolic primer
PRINCIPAL CHARACTERISTICS	Excellent resistance to wide range of organic acids, alcohols, edible oils, fats (regardless of free fatty acid content) Excellent resistance to chemicals and solvents Good flow and low spray dust fall out Good resistant to hot water Good application properties, resulting in smooth surface.
RECOMMENDED USE	As a primer coat in the Simaguard Phenocoat tank coating system
SPECIFICATION DATA AT 20 °C	
Gloss	Eggshell
Colour	White, grey and Light grey
Specific Gravity	1.50 ± 0.15 kg/litre
Solids by volume	78 ± 2 %
Recommended	Dry film thickness : 100 microns Wet film thickness : 128 microns
Coverage theoretical	7.8 m ² / litre - 100 microns
Drying time	Touch dry : 2 hours at 30°C Hard dry : 6 Hours
Full cure	7 days
Painting interval	Min : 24 hours Max : 21 days
VOC	Max. 174,62 g/litre (Base), 29,70 g/litre (hardener)
Flash point (DIN 53213)	78 ° C for base and 97° C for hardener
Pot life	2 hours (after mixing the components)
Shelf life	12 months (cool and dry place)
Service temperature	Continuous : 100°C Periodic : up to 120° C

Surface Preparation

Substrate	Recommended
New Steel	Blast cleaned in situ at least SSPC-SP 10
The surface to be painted	Must be clean, free from rust, oil grease or other foreign matter using wash, detergent, or solvent wipe.

Subsequent Coat : Simaguard Phenocoat Finish, Simaguard Phenocoat Coating

Application instruction

Condition	Recommended
Temperatur	Min 10°C, max 50°C

Last update: September 2021

Relative humidity	Max 85 %		
Substrate temperature	should be at least 3°C above dew point.		
Mixing ratio	Base : Hardener = 3: 1[by volume] 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
	Maks 5 %	0.018-0.021(0.36-0.53 mm)	150 Bar (2100 psi)
	Maks 5 %	2 mm	3 Bar /43 psi
	Maks 5 %	-	-

Over coating table for SIMAGUARD PHENOCOAT COATING

	Substrate temperature		
	20°C	32°C	40°C
Minimum interval	36 hours	24 hours	16 hours
Maximum interval	21 days	14 days	7 days
The surface should be free from chalking or contaminant			

Induction time :

Allow minimum induction time before use :

Temperature	Min. induction time
15°C	20 minutes
20°C	15 minutes
25°C	10 minutes

Curing table :

Substrate temperature	Min. curing time of SIMAGUARD PHENOCOAT tank coating system before transport of cargoes without ballast water and thank test with sea water.
10°C	14 days
15°C	14 days
20°C	10 days
30°C	7 days
40°C	5 days

- For detailed information on resistance and resistance notes, please refer to the latest issue of the tank coating resistance list.
- For transport of methanol, a hot cargo cure is required and cannot be substituted by a service period of 3 months with non-aggressive cargoes.

Last update: September 2021

- Adequate ventilation is required during application and curing.
- The performance of the applied system strongly depends on the curing degree of the first coat at time of recoating. Therefore over coating time between 1st and 2nd coat is extended in comparison between 2nd and 3rd coat

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 emove 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).

The information in this data sheet is to the best our knowledge connects at date printing. The company reserves the right to the modify data without notice. Any change in data will normally be followed by issued of new data sheet. The user should check the data of printing and if more than 12 months have elapsed, then the data should on only be used after checking with our nearest self-office to establish that they are still valid. Since condition of application and services may be beyond our control, no liability can accept on basis of this data.