

Last update: September 2021

DESCRIPTION Two components high build amine adducts cured modified phenolic coating

PRINCIPAL CHARACTERISTICS Excellent resistance to chemicals and solvents
 Resistant to a wide range of organic acids, alcohols, edible oils and fats (regardless of free fatty acid content)
 Good flow and low spray dust fall out
 Good resistant to hot water
 Good application properties

RECOMMENDED USE As a second coat in the Simaguard Phenocoat tank coating system

SPECIFICATION DATA AT 20°C

Gloss Eggshell
Colour Grey, Light Grey and white
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 m² / 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), 29,7 /litre (hardener)
Flash point 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	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 : Simaguard Phenocoat Primer
 Finish Coat : Simaguard phenecoat Finish

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 ^o C above dew point.		
Mixing ratio	Base : Hardener = 3 : 1 [by volume] temperature of the mixture should be above 15 ^o 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 ^o C	32 ^o C	40 ^o 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			

Film thickness and spreading rate :

Max. DFT without sagging with airless spray	200 microns	3.3 m ² /l
Max. DFT when brushing	60 microns	11 m ² /l
Min. DFT for closed film with airless spray	50 microns	13.2 m ² /l

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

- o For detailed information on resistance and resistance notes, please refer to the latest issue of the tank coating resistance list.
- o Adequate ventilation is required during application and curing.

PACKING SIZE AND STORAGE

Packing size (two packs product) : 5 and 20 litres

Storage The product must be storage in accordance with national regulation. Preferred storage conditions are to keep the containers in the dry space provided with adequate ventilation. The containers should be sealed tightly.

SAFETY PRECAUTION Avoid contact with the skin and eyes. 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.

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.

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.