

*Product Data Sheet*

# Simaguard Phenocoat Finish 3400-00

Last update: September 2021

**DESCRIPTION** Two components high build amine adducts cured modified phenolic coating

**PRINCIPAL CHARACTERISTICS** Excellent resistance to wide range of organic acids, alcohols, edible oils and fats (regardless of free fatty acid content) and solvent.  
 Good resistance to hot water.  
 Good application properties, resulting in a smooth surface.  
 Easy to clean.

**RECOMMENDED USE** As a finish 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 m<sup>2</sup> / 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 (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.

**Application instruction** Preceding coat : Simaguard Phenocoat Primer  
 Subsequent Coat : Simaguard Phenocoat Coating

Condition	Recommended
Temperatur	Min 10°C, max 50°C
Relative humidity	Max 85 %
Substrate temperature	should be at least 3°C above dew point.
Mixing ratio	Base : Hardener = 3 : 1 [byvolume]

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	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

	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			

## Film thickness and spreading rate :

Max. DFT without sagging with airless spray	200 microns	3.9 m <sup>2</sup> /l
Max. DFT when brushing	60 microns	13 m <sup>2</sup> /l
Min. DFT for closed film with airless spray	50 microns	15.6 m <sup>2</sup> /l

## Curing Table :

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°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.
- 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 1<sup>st</sup> and 2<sup>nd</sup> coat is extended in comparison between 2<sup>nd</sup> and 3<sup>rd</sup> coat.

**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.

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