

Simatherm Alu HR Finish 600°C 3604-00

Product Data Sheet

Last update: September 2021

Description	A heat resisting paint, based on silicon resin pigmented with aluminium.
Principal Characteristics	Heat resistant paint up to 600°C Good weathering retention Good oil resistant Suitable for application over inorganic zinc silicate paint, or directly into blast cleaned steel Good balance of flexibility and hardness.
Recommended use	For protection of heated pipelines, exhaust pipes and others, heated surface up to 600°C.
Specification data on 20 °C	
Gloss	Eggshell
Colour	Aluminium
Specific gravity	1.10 ± 0.15 [g/mL]
Solids by volume	31 ± 1%
Recommended	Dry film thickness : 25-35 microns Wet film thickness : 80.6 - 113 micron
Coverage theoretical	12.4 m ² / litre - 25 micron
VOC	546 g/litre
Drying time	Touch dry : 60 Minutes at 26°C Hard dry : 5 hours
Painting interval	Min : 16 hours Max : unlimited
Service temperature	Continuous : 600°C Periodic up to 600°C
Shelf Life	12 months (cool and dry place)
Flash point (DIN 53213)	16°C

Surface Preparation

Substrate	Recommended
New steel and maintenance	SSPC SP 10 blast cleaned ISO Sa2 ½
The surface to be painted	Suitable; inorganic zinc silicate type.

Preceding coat : SIMATHERM HR PRIMER 600°C; SIMAZINC SILICATE MC; or according to specification

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Application instruction

Condition	Recommended			
Temperatur	Min 10°C, Max 50°C			
Relative humidity	85%			
Substrate temperature	should be at least 3°C above dew point.			
Thinner	Sima Thinner 43-00			
Method of application	Thinner	Nozzle Orifice	Nozzle Pressure	
	1. Airless spray	5 %	0.018" (0.48 mm)	120 Bar/1700psi
	2. Air Spray	5 %	2 mm	4 bar / 57 psi
	3. Brush	0 %	-	-

Packing and size instruction

Packing size : 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 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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