

## Simatherm HR Primer 200 °C 1600-00

Product Data Sheet

Last update: September 2021

<b>Description</b>	A heat resisting primer paint, based on modified acrylic resin.
<b>Principal Characteristics</b>	Single component primer paint Heat resistant paint up to 200°C Good rust resisting primer
<b>Recommended use</b>	As a primer for heat resistant coating system for protection of steel surfaces temperature up to 200° C, such as steam pipe, the inside of exhaust pipe, etc
<b>Specification data on 20 °C</b>	
Gloss	Flat
Colour	Red brown, Grey, and limited colour
Specific gravity	1.30 ± 0.15 [g/mL]
Solids by volume	45 ± 2%
Recommended	Dry film thickness : 35 microns Wet film thickness : 77 microns
Coverage theoretical	9,4 m <sup>2</sup> / litre, fo dft 35 micron
VOC	408 g/litre
Drying time	Touch dry : 30 Minutes at 30°C Hard dry : 5 hours
Painting interval	Min : 12 hours ; max : unlimited
Service temperature	Continuous : 200 °C Periodic up to 220 °C
Flash point (DIN 53213)	15°C
Shelf Life	12 months (cool and dry place)

### 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.

Finishing coat : SIMATHERM HR FINISH 200 °C; or according to specification

### 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 Stir Well and homogen		
Method of application	Thinner	Nozzle Orifice	Nozzle Pressure

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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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