

**NIPPON PAINT 300 HIGH TEMPERATURE FINISH**
*Updated Feb '23*

**NIPPON PAINT 300 HIGH TEMPERATURE FINISH** is a silicone acrylic based coating which can withstand continuous temperature up to 300°C. It provides excellent protection for exhaust manifolds, furnaces, boiler, chimneys and other installations exposed to extreme temperatures.

**Product Features:**

- Withstand continuous temperature up to 300°C
- Available in Aluminium, White & Red Colour

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Solvent based	Interior & Exterior	Gloss Limited Colours	Iron and Steel	5 Litres

**Composition**

Pigment	: Aluminium, Black, White or Red
Binder	: Acrylic and Silicone
Thinner	: Aromatic

**Technical Data**

Drying Time (25-30°C)	: Touch Dry : Approximately 0.5 hour (Dependent on temperature and humidity) : Hard Dry : At least 1 hour x 200 °C for full curing
Overcoating Time (25-30°C)	: Minimum 2 hours (Dependent on temperature and humidity)
Typical Thickness	: 20 - 30 µm dry film per coat (Keep below 40 µm DFT to prevent blistering) 50 - 75 µm wet film per coat
No. of Coats	: 1 - 2 coats
Theoretical Coverage	: 20.0 m <sup>2</sup> /litre (for dry film thickness of 20 microns) 13.3 m <sup>2</sup> /litre (for dry film thickness of 30 microns)
Practical Coverage (40% Loss Factor, as a guideline)	: 12.0 m <sup>2</sup> /litre (for dry film thickness of 20 microns) 8.0 m <sup>2</sup> /litre (for dry film thickness of 30 microns)
Volume Solid	: 40 ± 2% by volume
Specific Gravity	: 0.98 - 1.35, depending on colours
Shelf Life	: Up to 24 months in tight sealed container (Subjected to reinspection after exceeding shelf-life period)

**Application Method**

Thinner	: OP-1 Thinner
Brush/ Roller	: If necessary, add about 5% thinner by volume.
Compressed Air Spray	: If necessary, add about 10% to 15% thinner by volume.
Airless Spray	: Delivery pressure : 140 – 170 kg/cm <sup>2</sup> : Tip size : 0.015" – 0.017" : Spray angle : 60° - 70° : Dilution : Up to 5% thinner by volume

**Recommended Coating System**

<b>Iron and Steel</b>		
Primer	: Nippon Paint 300 High Temperature Primer	: 1 Coat
Intermediate	: Nippon Paint 300 High Temperature Finish	: 1 Coat
Top Coat	: Nippon Paint 300 High Temperature Finish	: 1 Coat
Primer	: Nippon Paint NIOZ	: 1 Coat
Intermediate	: Nippon Paint 300 High Temperature Finish	: 1 Coat

