



A pure silicone resin based heat resistant paint containing inorganic pigments. After curing, the coating is very good resistant to thermal shock conditions from ambient temperature to 600 °C/1112 °F, and provides excellent rust-preventing property.

Also, it has outstanding electric insulation and resistance to weathering.

<b>Recommended use</b>	As a heat resistant paint for use on stove, motor, boiler, heater, ship's engine, muffler, ventilator, steam lines and similar thermal implements operating from ambient temperature to 600 °C/1112 °F
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### Physical Properties

<b>Finish and Color</b>	Flat. Silver (9180), Black (1999), Grey					
<b>Specific gravity</b>	Silver : 1.33, Black : 1.21, Grey : 1.75					
<b>Solids by volume</b>	Silver : Approx. 42 % , Black : Approx. 26 % , Grey : Approx. 40 % (Determined by ISO 3233)					
<b>Spreading rate (Theoretical)</b>	Silver : 18.0 m <sup>2</sup> /L, Black : 13 m <sup>2</sup> /L, Grey : 20 m <sup>2</sup> /L in 20 μm dry film thickness on a smooth surface.					
<b>Flash point</b>	26 °C/79 °F (Closed cup)					
<b>Chemical Resistance</b>		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	Fair	Poor	Good	Good	Good
	Fumes	Fair	Fair	Good	Good	Good

### Application details

<b>Surface preparation</b>	Abrasive blasting to Sa 2½ "Near White Metal". Remove any rust, dust, grease, oil and other contaminants from surface to be coated.					
<b>Preceding coat</b>	Can be applied directly to the well cleaned surface. But, for better anti-corrosive effect, Yeolcoat Primer QP160 or suitable preceding coat may be applied as a primer by specification.					
<b>Method of application</b>	Spray (Airless or Air) or Brush application. For airless spray application ; Nozzle orifice : 330 μm ~ 381 μm (0.013" ~ 0.015") Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 60 ° (Airless spray data are indicative and subject to adjustment)					
<b>Thinning</b>	Thinner No. 002 or 029K					
<b>Application conditions</b>	The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.					
<b>Film thickness</b>	20 ~ 25 μm dry. May be specified in another film thickness than indicated depending on purpose and area of use.					
<b>Drying time</b>	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F		

Set to touch	4 h	1 h	30 min
Dry to hard	24 h	10 h	8 h

\* For full hardness, the coating should be exposed in service at temperature of 200°C/392°F over 1 hour time period.

<b>Recoating interval</b>	At 20 °C/ 68 °F, Min. : 1 h, Max. : Free.
<b>Heat resistance temperature</b>	Continuous : 600°C/1112 °F (Non-immersion service)

### Storage and package

<b>Shelf life</b>	12 months
<b>Packing Unit</b>	4L / 18L *The packing should be turned regularly twice a month to prevent the deposition

### Remarks

<b>Note</b>	<ol style="list-style-type: none"> <li>1. Avoid prolonged breathing of solvent vapors.</li> <li>2. Use with adequate ventilation.</li> <li>3. Respiratory protection is recommended when applying this material in confined spaces or stagnant air.ventilation.</li> <li>4. Keep away from sparks and open flames.</li> <li>5. Although this product dry rapidly in air, it remains somewhat soft until exposed to heat over 200°C/392°F, and may be susceptible to mechanical damage.</li> <li>6. However, it is unaffected by moderate-term weather exposure</li> <li>7. Unduly heavy coats result in impaired adhesion.</li> <li>8. Keep the recommended dry film thickness.</li> </ol>
<b>1'st issue</b>	2011-07-01
<b>Revision</b>	2015-04-01

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

