



## Yeolcoat QT6604

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<b>Product Description</b>	A modified silicone resin based heat resistant paint for medium to high temperature service with good resistance to mild chemical fume environments. It has excellent resistance to thermal shock conditions from ambient temperatures to 400 °C/752 °F.
<b>Recommended Use</b>	As a heat resistant paint for use on furnace exteriors, heat exchanges stacks, heat generators and similar thermal implements operating from ambient temperature to 400 °C/752 °F. Not recommended for immersion service.

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### Physical Properties

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<b>Finish and Color</b>	Flat. Silver (9180)
<b>Drying Time</b>	At 20 °C/68 °F, Set to touch : 1 h * For full hardness, the coating should be exposed in service at temperature of 180°C/356°F over 1 hour time period. * The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.
<b>Solids by Volume</b>	Approx. 40 % (Determined by ISO 323)
<b>Theoretical Spreading Rate</b>	20 m <sup>2</sup> /L in 20 μm dry film thickness on a smooth surface.
<b>Specific Gravity</b>	Approx. 1.04 ~ 1.16
<b>Flash Point</b>	20 °C/68 °F (Closed cup)

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### Application Details

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<b>Surface Preparation</b>	Remove any oil grease, dirt and any other contaminants from the surface by proper method such as solvent cleaning and fresh water washing, etc. * Steel : Blast cleaning to Sa 2.5, etc.
<b>Application Conditions</b>	The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperatures 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>Preceding coat</b>	May be applied directly to the well cleaned surface. Galvany IZ180N, Cerany IZ1990, or according to specification.
<b>Thinning</b>	Thinner No. 002

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**Application** Spray (Airless or Air) application.  
**Method** For airless spray application ;  
Nozzle orifice : 330  $\mu\text{m}$  ~ 381  $\mu\text{m}$  (0.013" ~ 0.015")  
Output pressure : 15.2 MPa  
Fan : 60°  
(Airless spray data are indicative and subject to adjustment)

**Typical** 20 ~ 40  $\mu\text{m}$  dry.  
**Film Thickness** May be specified in another film thickness than indicated depending on purpose and area of use.

**Recoating Interval** At 20 °C/68 °F, Minimum : 1 h  
Maximum : Free

Prior to overcoating, remove the oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.

**Shelf Life** 12 months

**Heat Resistance** Continuous : 400 °C / 750 °F (Non-immersion service)  
Non-continuous : 538 °C / 1000 °F (Non-immersion service)

**Chemical Resistance (with proper primer)**

	Acids	Alkalies	Solvents	Salts	Water
Splash & Spillage	Good	Fair	Poor	Excellent	Excellent
Fumes	Excellent	Excellent	Good	Excellent	Excellent

**Standard Packing Unit** 18 L, 20 L

**Remarks** Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors.  
Use with adequate ventilation.  
Respiratory protection is recommended during application in confined spaces or stagnant air.  
Although this product air dry rapidly, it remains some what soft until exposed to heat over 180 °C/356 °F, and may be susceptible to mechanical damage.  
However, it is unaffected by moderate term weather exposure.

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