



Yeolcoat QT604 is a pure silicone and special synthetic resin based heat-resistant paint containing inorganic pigments. After curing, the coating has very good resistance to thermal shock conditions from substrate temperature to 400°C/752°F, and provides excellent rust-preventing property.

Recommended use	As a heat-resistant finishing coat for the thermal implements operating from ambient temperature to 400°C/752°F such as motor, boiler, heater, ship's engine, muffler, ventilator, steam lines, etc.
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Physical Properties

Finish and Color	Flat. Silver 9180, Black 1999
Specific gravity	1.04 ~ 1.25 (kg/ℓ) according to color.
Solids by volume	Silver : approx. 34%, Black : approx. 24%(Determined by ISO 3233)
Spreading rate (Theoretical)	Silver : 10.0㎡/ℓ, Black : 12.5㎡/ℓ (in 20 microns dry film thickness on a smooth surface.)
Flash point	26°C/79°F (Closed cup)

Application details

Surface preparation	Abrasive blasting to Sa 2½ “Near White Metal”. Remove any rust, dust, grease, oil and other contaminants from surface to be coated.			
Preceding coat	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.			
Method of application	Brush, Spray application			
Thinning	Thinner No. 002 or No. 029K			
Film thickness	Recommended per coat 15 ~ 20 microns dry			
Drying time		5℃/41°F	20℃/68°F	30℃/86°F
	Set to touch	4hours	1hours	30 min
	Dry to hard	24 hours	10 hours	8 hours
	For full hardness, the coating should be exposed in service at temperature of 200℃/412°F over 1 hour time period.			

Storage and package

Shelf life	12 months
Packing Unit	4ℓ, 18ℓ

Remarks

Note	Avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended when applying this material in confined spaces or stagnant air. Keep away from sparks and open flames. Although this product dry rapidly in air, it remains somewhat soft until exposed to heat over 200°C/412°F, and may be susceptible to mechanical damage. However, it is unaffected by moderate-term weather exposure. Unduly heavy coats result in impaired adhesion.
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	Keep the recommended dry film thickness.
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Revision	

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.

