



Yeolcoat QT603 is a special synthetic resin based heat resistant paint containing inorganic pigments. After curing, the coating is very good resistant to thermal shock conditions from substrate temperature to 400 °C/752 °F, and provides excellent rust-preventing property.

Recommended use	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 300 °C/572 °F.
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Physical Properties

Finish and Color	Flat. Silver (9180), Black (1999)
Specific gravity	Silver : Approx. 1.11 , Black : Approx. 1.35
Solids by volume	Silver : Approx. 36 % , Black : approx. 34 % (Determined by ISO 3233)
Spreading rate (Theoretical)	Silver : 18.0㎡/L, Black : 17 ㎡/L in 20 μm dry film thickness on a smooth surface
Flash point	26 °C/79 °F (Closed cup)

Application details

Surface preparation	Remove any oil grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc. * Steel : Blast cleaning to Sa 2.5 * A substrate by phosphate treatment is unendurable at 300 °C/572 °F
Preceding coat	Yeolcoat Primer QP130
Method of application	Air spray application * For air spray application ; Nozzle orifice : 1.3 ~ 1.5 mmΨ Output pressure : 4 ~ 5 Kg/㎠ Number of Spray : 2 ~ 3 times (go and return) Setting time : 5 ~ 10 minutes (Air spray data are indicative and subject to adjustment)
Thinning	Thinner No. 002 * For air spray application ; Viscosity : 18~22 seconds (20 °C/68 °F, Ford Cup #4) Thinning ratio : 10~20 % by volume * But, it may be changed by application and environment. * A proper filtering is necessarily recommended for a good application. * Use only recommended thinners.
Application conditions	Preferred temperature during application is 15~25 °C/59~77 °F, and relative humidity preferable 35~80 %. The surface temperatures must be at least 3 °C/5 °F above dew point to prevent condensation.
Film thickness	20~25 μm dry.
Drying time	At 20 °C/68 °F, Set to touch : 1 hour Dry hard : 10 hours * For full hardness, the coating should be exposed in service at temperature of 180 °C / 356 °F over 20 minutes time period.

Storage and package	
Shelf life	12 months
Storage	Store in cool, dry, well-ventilated place. Can of bottom composition should be turned regularly twice a month.
Packing Unit	18 L
Remarks	
Note	Avoid humidity and direct sunlight. Unduly heavy coat result in impaired adhesion. Keep the recommended dry film thickness. Keep away from sparks and open flames. Avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended during application in confined spaces or stagnant air. However, it is unaffected by moderate term weather exposure.
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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.

