



Yeolcoat QT5065

Product Description	QT5065 is a one component inert multipolymeric matrix coating. Also heat-resistant coating based on a moisture curing inorganic copolymer without heat curing. After curing, the coating is very good resistant to thermal shock conditions from ambient temperature to 650 °C/1202 °F, and provides excellent rust-preventing property. Also, it has outstanding electric insulation and resistance to weathering.
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 650 °C/1112 °F.

Physical Properties

Finish and Color Flat. Silver

Drying Time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	6 hours	1 hours	40 min
	Dry to hard	18 hours	2 hours	2 hours

Solids by Volume Silver : Approx. 50%(Determined by ISO 3233)

Theoretical Spreading Rate Sliver : 20 m²/L , 100 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.8 ~ 2.0

Flash Point 23 °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(ISO) or SP10(SSPC), SUS : SP3(SSPC)

Application Conditions 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.

DFT range (Min&Max) 100-150microns

Thinning Thinner No. 002

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.



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Application Method 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)

Recoating Interval At 20 °C / 68 °F, Minimum : 1 h
Maximum : 2 days

Before overcoating, remove the oil, salts, chalking materials and any other contaminants on aged coating film completely by proper cleaning methods such as solvent cleaning and/or fresh water washing.

Shelf Life 6months
; 2 weeks~3 months after the bucket is unfold
*Store in seal up tightly
*Correct storing is necessary to preserve product quality and retention period

Heat Resistance Continuous : 650 °C / 1112 °F

Chemical Resistance		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	Fair	Poor	Good	Good	Good
	Fumes	Fair	Fair	Good	Good	Good

Standard Packing Unit 18L or 4L

Remarks The packing should be turned regularly twice a month to prevent the deposition.
Avoid prolonged breathing of solvent vapors. Use with adequate ventilation.
Respiratory protection is recommended during application in confined spaces or stagnant air. Keep away from sparks and open flames. Unduly heavy coat result in impaired adhesion.
Although this product air dry rapidly, it remain somewhat soft until exposed to heat over 200 °C / 392 °F, and may be susceptible to mechanical damage.
However, it is unaffected by moderate term weather exposure.
Unduly heavy coat result in impaired adhesion.
Keep the recommended dry film thickness.

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