



Yeolcoat QT6612

Product Description	A silicone acrylic resin based heat resistant paint with excellent weather and abrasion resistance. It will withstand thermal shock from ambient temperature to 200 °C/392 °F and temperature surges to 230 °C/446 °F.
Recommended Use	As a heat resistant coating for use on stacks, boilers, heat exchanger and similar thermal implements operating from ambient temperature to 200 °C/392 °F. Not recommended for immersion service.

Physical Properties

Finish and Color	Semi gloss. White, Gray, Black, Silver
Drying Time	At 20 °C/68 °F, Set to touch : 1 h * For full hardness, 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.
Solids by Volume	Approx. 40 % (Determined by ISO 3233)
Theoretical Spreading Rate	16 m ² /L in 25 μm dry film thickness on a smooth surface.
Specific Gravity	Approx. 1.1
Flash Point	25 °C/77 °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, etc.
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.
Preceding coat	According to specification.
Thinning	Thinner No. 002
Application Method	Spray (Airless or Air) application. For airless spray application ; Nozzle orifice : 432 μm ~ 584 μm (0.017" ~ 0.023") Output pressure : 13.8 MPa Fan : 60° (Airless spray data are indicative and subject to adjustment) *Brush : Use full brush and avoid rebrushing. Use maximum amount of thinner.

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Typical Film Thickness	20 ~ 25 μm dry. Depending on the purpose and the area of use, different film thickness may be applied. *Excessive film thickness may result in blistering or cracking when applied over an inorganic zinc primer.
Recoating Interval	At 20 °C/68 °F, Minimum : 5 h Maximum : Free Before 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 : 200 °C / 392 °F (Non-immersion service) Non-Continuous : 230 °C / 446 °F (Non-immersion service) *Discoloration degree is dependent on color and exposed temperature.
Standard Packing Unit	18 L, 20 L
Remarks	Avoid humidity and direct sunlight. Mix thoroughly prior to application, and occasionally stir well during application to avoid sedimentation. Store unused material in tightly closed containers. Keep away from sparks and open flames. Use with adequate ventilation. Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. In case of eyes contact, flush immediately with plenty of water for at least 15 minutes. Consult physician immediately. Respiratory protection is recommended during application in confined spaces or stagnant air.
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