Yeolcoat
QT612

Product Description	A special synthetic resin based heat resistant paint containing inorganic pigments. After curing, the coating is very good resistant to thermal shock conditions from ambient temperature to 200 ℃/392 ℉.
Recommended Use	As a heat resistant paint for use on stove, motor, boiler, heater, ship's engine, ventilator and similar thermal implements operating from ambient temperature to 200 ℃/392 ℉.

Physical Properties

Finish and Color	Flat. Silver (9180), Black (1999) Gloss. Black (1999)
Drying Time	20 ℃/68 ℉, Set to touch : 10 min Dry through : 4 h * 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	Silver : Approx. 29 % (Determined by ISO 3233), Black : Approx. 37 % (Determined by ISO 3233)
Theoretical Spreading Rate	Silver : 14.5 ㎡/L, Black : 18.5 ㎡/L in 20 ㎛ dry film thickness on a smooth surface.
Specific Gravity	Silver : Approx. 0.98 Black(Flat) : Approx. 1.17 Black(Gloss) : Approx. 0.97
Flash Point	26 ℃/79 ℉(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 or Power tool cleaning to St3, 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 ℃ (5 ℉) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.
Preceding Coat	May be applied directly to the well cleaned surface. According to specification.
Thinning	Thinner No. 002 or 029K

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Application Method	Spray (Airless or Air) or Brush application. For airless spray application ; Nozzle orifice : 330 ㎛ ~ 381 ㎛ (0.013″ ~ 0.015″) Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 60 º (Airless spray data are indicative and subject to adjustment) *Brush is only recommended when this material is applied directly to the substrate without primer.
Typical Film Thickness	20 ~ 25 ㎛ dry. Depending on the purpose and the area of use, different film thickness may be applied.
Recoating Interval	At 20 ℃/ 68 ˚F, Minimum : 1 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 ℃/392 ˚F (Non-immersion service) Non-contineous : 230 ℃/446 ˚F (Non-immersion service)
Standard Packing Unit	4 L, 20 L
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 ℃/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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