



Yeolcoat Primer QP1850 is a epoxy modified silicone resin based heat-resistant primer containing inorganic pigments. After curing, the coating is very good resistant to thermal shock conditions from substrate temperature to 550 °C/1022 °F, and provides excellent rust-preventing property.

Recommended use	As a heat-resistant primer for use on stove, motor, boiler, heater, ship's engine, muffler, ventilator, steam lines and similar thermal implements operating from ambient temperature to 550 °C/1022 °F. As a pretreatment primer for use on non-ferrous metals such as aluminium and light alloys as well as galvanized steel.
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Physical Properties

Finish and Color	Flat. Light brown
Specific gravity	Approx. 1.25
Solids by volume	Approx. 34 % (Determined by ISO 3233)
Spreading rate (Theoretical)	17 m ² /ℓ in 20 μm 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			
Method of application	Air spray application. Nozzle orifice : 1.3 ~ 1.5 mm Output pressure : 4 ~ 5 Kg/cm ² Number of spray : 2 ~ 3 times Setting time : 5 ~ 10 minutes (Air spray data are indicative and subject to adjustment.) If use other methods such as brush, roller, airless, dipping, electrostatic application, may occur application defects. Do not apply when the surface is exposed to heat.			
Thinning	Thinner No. 002 or No. 029K			
Application conditions	Preferred temperature during application is 15°C~25°C/59°F~77°F, and relative humidity preferable 35~80%. To avoid condensation problem, apply only when the surface temperature is 3°C(5°F) above the dew point.			
Film thickness	20 ~ 25 μm dry.			
Drying time	Substrate temperature	10°C	20°C	30°C
	Set to touch	4 h	1 h	30 min

	Dry to hard	24 h	10 h	8 h
	* For full hardness, the coating should be exposed in service at temperature of 180℃ over 30 mins. period.			
Subsequent Coat	Yeolcoat QT6055			
Pot life	8 hours, after mixing.			
Heat resistance temperature	550 °C/1022 °F			
Mixing	Base : Zinc Filler = 85 : 15 (by weight) Stir the Base, then combine together and mix thoroughly prior to application in the propertion as delivered.			
Storage and package				
Shelf life	12 Month			
Storage	Store in cool, dry, well-ventilated place. Can of bottom composition should be turned regularly twice a month.			
Packing Unit	16Kg			
Remarks				
Note	Drum of bottom composition should be turned regularly twice a month. Avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended when applying this material in confined spaces of stagnant air. Keep away from sparks and open flames. Although this product air dry rapidly, it remain somewhat soft until exposed to heat over 180 °C , and may be susceptible to mechanical damage. 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.

