



## Yeolcoat Primer QP1850 (Two-Component)

**Product Description** 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.

### Physical Properties

**Finish and Color** Flat. Light brown

Drying Time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	4 h	1 h	30 m
	Dry to hard	24 h	10 h	8 h

\* For full hardness, the coating should be exposed in service at temperature of 200 °C/392°F over 1 hour time period.

**Solids by Volume** Approx. 34 % (Determined by ISO 3233)

**Theoretical Spreading Rate** 17 m<sup>2</sup>/ℓ in 20 μm dry film thickness on a smooth surface

**Specific Gravity** Approx. 1.25

**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.

**Mixing** Base : Zinc Filler = 85 : 15 (by weight)  
Stir the Base, then combine together and mix thoroughly prior to application in the proportion as delivered.

**Pot Life** 8 hours, after mixing.

**Thinning** Thinner No. 002 or No. 029K

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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<b>Application Method</b>	Brush or Spray application. Do not apply when the surface is exposed to heat.
<b>Typical Film Thickness</b>	20 ~ 25 $\mu\text{m}$ dry.
<b>Subsequent Coat</b>	Yeolcoat QT604, QT606 or according to specification.
<b>Remarks</b>	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 200 °C /392°F , and may be susceptible to mechanical damage. However, it is unaffected by moderate term weather exposure.
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