



# RAINBOW

## ANTI-CORROSION COATING UNDER INSULATION

PRODUCT NUMBER	1568
TYPE	High temperature coating based on modified silicone resin with heat-resisting and rust resistant pigment.
USES	Used for high temperature and thermocycling environments.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Excellent heat and cold resistance, can withstand temperature to 300°C (572 °F) ,cold-resistant to -320°F (-196°C).</li><li>2. Excellent corrosion protection for thermal shocking structures.</li><li>3. Excellent resistance to chemicals and rust.</li><li>4. Can be sprayed on the carbon steel, galvanized steel and stainless steel.</li><li>5. Good moisture resistance under the thermocycling environment, and paint film with water repellency.</li></ol>
COLOR	RAL9007 Grey, Silver Red
MASS DENSITY	Above 1.3 Kg/L
VISCOSITY	Above 75 KU (25°C)
DRYING TIME	Set-to-touch 2 hrs.      Dry hard 8 hrs.      Fully cured 7 days (25°C)
OVERCOATING INTERVALS	Min. 4 hrs.                      Max. 48 hrs.
OPTIMUM FILM THICKNESS	Wet 213 microns              Dry 125 microns
TIMES OF COATING	2 Coats
THEORETICAL COVERAGE	17.8 m <sup>2</sup> /Gal      4.7 m <sup>2</sup> /L      3.6 m <sup>2</sup> /Kg (Dry : 125 microns)
SUBSEQUENT COATS	NO.1569 600°C Heat-Resisting Topcoat
MIXING RATIO	Base : Hardener = 87 : 13 (by wt.)
VOLUME SOLIDS	Above 58%
POT LIFE	2 hrs. (25°C)
THINNER	SP-12 Epoxy Thinner
THINNER RATE	5~10%
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Air spray, Airless spray
NOTE	<ol style="list-style-type: none"><li>1. Moisture, grease, sludge, dust, old paint and rust must be thoroughly removed from substrate, preferably sand blasting to SIS Sa 2 1/2 or rusting by hand to SIS St 3.</li><li>2. The galvanized steel or stainless substrate before applying must be done sand-sweeping surface treatment.</li><li>3. Add thinner to base and stir thoroughly, then add hardener.</li><li>4. Wet film should be below 300 microns for one coat spray to avoid sagging.</li><li>5. This paint must be coated a topcoat to protect paint film, when applied in external parts.</li><li>6. The paint film must be kept statically at least 7 days in room temperature until fully cured after applying, when fully cured, the paint film faced sharp thermocycling environment at room temperature to 300°C, there is no cracking.</li><li>7. Avoid applying the paint in rainy day or the relative humidity exceed 85%, particularly a wet surface must be thoroughly dried.</li></ol>

EPDM151568XX V1.2

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