



RAINBOW

WATER-BASED INORGANIC HEAT RESISTANT COATING

PRODUCT NUMBER	1581
TYPE	A single-component water-based coating formulated with waterborne silicate resin and specially refined additives.
USES	Heat-resistant paint for metal structures such as steel pipes, steam pipes, insulated pipes, and various factory facilities.
CHARACTERISTICS	<ol style="list-style-type: none">1. Excellent heat resistance and high hardness.2. The coating can cure at room temperature without heating curing.3. Can be directly sprayed on substrates with temperatures ranging from ambient to 880°C.4. Water-based eco-friendly coating with low viscosity for easy application, VOC below 30g/L.5. Applicable to carbon steel, stainless steel, and galvanized steel.
APPLICATION METHOD	Airless Spray · Brush.
COLOR	White · Black
SPECIFIC GRAVITY	Above 1.2 Kg/L
VISCOSITY(25°C)	Above 60 KU
DRYING TIME(25°C)	Set - to- touch 30 mins. Dry hard 2 hrs
OVERCOATING INTERVALS(25°C)	Above 4 Hrs
OPTIMUM FILM THICKNESS	Wet 100-150μ microns Dry 20-30μ microns
VOLUME SOLIDS	20±3%
THEORETICAL COVERAGE	10 m ² /L 8.3 m ² /Kg 37.8 m ² /Gal (DET=20μm)
THINNER	Water
THINNING RATE	0~10% (by wt.)
STORAGE SHELF LIFE	Minimum 1 year under normal storage
NOTE	<ol style="list-style-type: none">1. Moisture, greases, sludge, old paint and rust must be thoroughly removed from substrate, preferably sand blast to the standard above SIS Sa 2 or manual derusting to SIS St 3.2. Galvanized and stainless steel substrates must be sweep blasted (SIS Sa 1) or (SSPC-SP16) before spraying.3. The required surface roughness is 20 μm for carbon steel and at least 10 μm for stainless steel and galvanized steel.4. When spraying onto high-temperature substrates, the solvent evaporates quickly, causing a slightly rough surface texture.5. Avoid application in rainy conditions or when the relative humidity exceeds 85% RH. Ensure the surface is completely dry before coating.6. Recommended nozzle size: 0.015"—0.021".7. The total dry film thickness should not exceed 60 μm to prevent coating cracks.

EPDM151581XX V1.0

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