



RAINBOW

WATER-BASED INORGANIC HEAT-RESISTANT COATING (for stainless steel), 600°C

PRODUCT NUMBER	1516S
TYPE	Heat-resisting paint based on water-based silicate resin with heat-resisting pigments.
USES	Heat-resisting paint for stainless steel in petrochemical and steel plants.
CHARACTERISTICS	<ol style="list-style-type: none">1. Good high heat resistance withstands it up to 600°C.2. Excellent resistance to water, oil and weather.3. Good adhesion.4. Easy application.
COLOR	White / Grey
FINISH	Flat
HIDING POWER	Above 10.5 m ² /L
WEIGHT	Above 1.40 Kg./L
VISCOSITY (25°C)	Above 50 ~ 80 KU (mixture)
DRYING TIME (25°C)	Set-to-touch 20 mins. Dry hard 1 hr.
OPTIMUM FILM THICKNESS	Wet 200 microns Dry 50 microns
THEORETICAL COVERAGE	18.9 m ² /Gal 5.0 m ² /L 3.5 m ² /Kg @50 μ
OVERCOATING INTERVALS (25°C)	Min. 8 hrs.
NON-VOLATILE CONTENT	Above 50% (mixture)
THINNER	Water
THINNING RATE	5~7 % (tools cleaning excluded)
PRECEDING COATS	Directly 1~2coats of No.1516S without any primer.
MIXING RATE	Liquid : powder = 37 : 63
TEMPERATURE RESISTANCE	Continuous 600°C Intermittence 1000°C Coating on the stainless steel and the low alloy steel, keeping 6 hours and 600°C, no irregularity.
SALT SPRAY TEST	5% NaCl salt spry: 1000hrs., no irregularity.
BOIL WATER RESISTANCE TEST	95°C, 1hr., No film softening, cracking and peeling.
GASLINE RESISTANCE	72 hrs., no film softening, cracking and peeling.
POT LIFE	2 hrs. (mixture)
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
NOTE	<ol style="list-style-type: none">1. Moisture, greases, sludge, old paint and rust must be thoroughly removed from substrate.2. A thickness of 50 microns can be obtained by spray application in one operation.
REMARK	The practical coverage will depend on the shape of objects or environmental conditions. Generally, the theoretical coverage or brush, and spray will be 1.4 times; 1.7 times as to their practical coverage.

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