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
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 m²/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 m²/Gal 5.0 m²/L 3.5 m²/Kg @50°C
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 1~2 coats 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
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.