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Kansai Paint Iranian

A628-3003

SILICONE HIGH-TEMPERATURE PAINT

GENERIC TYPE

Heat Resistant

DESCRIPTION

A628-3003 is heat resistant, aluminum pigmented coating, based on silicone resin up to 400 °C.

RECOMMENDED USE

For long-term protection of smokestacks, exhaust pipes, hot pipelines, and other hot surfaces Up to 400°c is used.

FEATURE

- High temperature resistance-Good spray ability
- Rust preventing
- Excellent spray ability
- Applicable over zinc silicate (A855-1001) or directly on blasted steel

PHYSICAL PROPERTIES

Finish	Shiny
Color	Aluminum
Solid by volume	37±2%
Specific Gravity	1.05±0.1 gr/cm^3
Flash point	27 °C
Recommended D.F.T.	15-25 Microns per one coat
Theoretical coverage	14.8-24.6 m^2/Lit Practical coverage depends on the loss factor
Fully cured	After thermal curing at 200°C for at least one hour
Thermal resistance	Max. 400°C (dry exposure) Non-Continuous Max. 450 °C

APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-40 °C
Mixing ratio	Single pack
Packaging	18 KG & 4 KG
Thinner/cleaner	A840-0628
Pot Life	N/A
Recoat interval	Min 1 hrs. at 200°C Max indefinite Recoating intervals related to later conditions of exposure
Nozzle orifice	0.018"-0.021"
Nozzle pressure	128 bar/1800 psi Airless spray is indicative and subject to adjustment
Application condition	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

SURFACE PREPARATION

- All surfaces to be coated should be completely clean, dry, and free from contamination. The surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by freshwater.
- Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
- Remove rust, mill scale, and other loose material completely by abrasive blasting (ISO 8501-1:2007 Sa 2 1/2 or SSPC SP-10).

SAFETY PRECAUTIONS

Detail information is given on the Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapor. Avoid skin and eye contact. Paint contacted with skin should be immediately removed with water and/or suitable cleanser. Eyes should be flushed with water and seek immediate medical attention. Since this product contains flammable solvents, keep away from sparks and open flames. The application and handling of this product should be in compliance with relevant national regulations.

GENERAL REMARKS

- For high-temperature service, A628-3003 requires heat curing at 200ºC (392ºF) to give optimum crosslinking and fully develop film properties such as hardness.
- To prevent moisture condensation during the application, surface temperature must be at least 3 ºC above the dew point.
- For satisfactory cure, air and surface temperature must be above 10 ºC.
- When zinc silicate primers have been allowed to weather, all zinc salts must be removed by water washing/bristle brushing before the application of A628-3003.

STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

SHELF LIFE

6 months from date of production.