

Technical Data Sheet: Ref: TDS-HPC-0001-V03

Date of issue: June 2017

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A628-3001

PURE SILICONE HIGH-TEMPERATURE PAINT

GENERIC TYPE	Heat Resistant	
DESCRIPTION	A628-3001 is heat resistant, aluminum pigmented coating, based on pure silicone resin up to 600 °c.	
RECOMMENDED USE	For long-term protection of smokestacks, exhaust pipes, hot pipelines, and other hot surfaces Up to 600°c is used.	
FEATURE	<ul style="list-style-type: none"> - High temperature resistance-Good spray ability - Rust preventing - Excellent spray ability 	
PHYSICAL PROPERTIES	Finish	Shiny
	Color	Aluminum
	Solid by volume	37±5%
	Specific Gravity	1.05±0.1 gr/cm ³
	Flash point	27 °C
	Recommended D.F.T.	15-20 Microns per one coat
	Theoretical coverage	16-28 m ² /Lit
	Fully cured	Practical coverage depends on the loss factor After thermal curing at 200°C for at least one hour
	Thermal resistance	Max. 600°C (dry exposure) Non-Continuous Max. 650 °C

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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, A628-3001 requires heat curing at 200°C (392°F) to give optimum crosslinking and fully develop film properties such as hardness & adhesion.
- The maximum DFT which should be applied before heating is 20 microns (0.6 mils) otherwise blistering will occur. Two or more coats cannot be applied without heating between coats.
- To prevent moisture condensation during the application, surface temperature must be at least 3 °C above the dew point.
- For satisfactory cure, air and surface temperature must be above 10 °C.
- The surface profile should be 10- 25 microns.

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.

DISCLAIMER: The information given on this sheet is to the best of our knowledge and accurate at the time of issuing. Since conditions of use are beyond the manufacturer's control information contained herein is without warranty implied or otherwise and the suitability of the material for the use contemplated is the sole responsibility of the buyer. The information contained on this data sheet is subject to modification at any time due to our policy of modification and product development.



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