

Technical Data Sheet: Ref: TDS-HPC-0001-V02

Date of issue: June 2017

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A628-3004

HIGH RESISTANT COATING IN AMBIENT TEMPRATURE CURING

GENERIC TYPE	Heat Resistant	
DESCRIPTION	A628-3004 is a special synthetic resin based on heat resistant coating with aluminum pigment up to 400 °c. which is air drying at ambient temperature.	
RECOMMENDED USE	For long-term protection of smoke stacks, exhaust pipes, hot pipe lines, stove. boiler, motor heater and other hot surfaces Up to 400°c is used.	
FEATURE	<ul style="list-style-type: none"> -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	35±5%
	Specific Gravity	1.05±0.1 gr/cm3
	Flash point	26 °c
	Recommended D.F.T.	15-20 Microns per one coat
	Theoretical coverage	26.6-15 m ² /Lit Practical coverage depends on loss factor
	Touch dry	15 min. at 20°c
	Hard dry	4 hrs. at 20°c
	Thermal resistance	Max 400°c

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APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-40 °c
Mixing ratio	Single pack
Packaging	20 KG – 4 KG
Thinner/cleaner	A840-0628
Pot Life	N/A
Recoat interval	Min 1 hrs. at 20° 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. Surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by fresh water.
- 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 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. Application and handling of this product should be in compliance with relevant national regulations.

GENERAL REMARKS

- 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 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 less than 12 microns.
- When zinc silicate primers have been allowed to weather, all zinc salts must be removed by water washing/bristle brushing prior to the application of A628-3004.

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

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