



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

www.kansaipaint.ir

Date of issue: June 2017

A903-3003

VINYL ESTER COATING

GENERIC TYPE

Vinyl

DESCRIPTION

A903-3003 is a three component, low VOC high build vinyl ester coating.

RECOMMENDED USE

- Vinyl ester coatings are used in severely corrosive environments as following
- Neutralizing tanks with a pH Swing of 1 to 13
- Chimney liner where high sulfur coal is used as a fuel, producing sulfuric Acid, temperature conditions Vary from 82 to 93 °c
- Duct work in flue gas desulphurization systems from Scrubber to Stack, where various conditions of sulfuric Acid are produced. Normal operating temperature is from 52-93 °c
- Truck trailers transporting various waste conditions

FEATURES

- Most frequently used for severe corrosion services
- Shrinkage resistance coating
- Excellent mechanical strength
- High resistance against crude oil
- High chemical resistance
- Applicable in high film thickness
- High sea water resistance

PHESICAL PROPERTIES

Finish	Semi flat – semi gloss
Color	Limited Color
Solid by volume	98±2%
Specific Gravity	1.4±0.1 gr/cm ³
Flash point	65 °c
Recommended D.F.T.	400-800 microns
Theoretical coverage	2.5-1.2 m ² / Lit Practical coverage depends on loss factor
Touch dry	6 hrs. at 20 °c
Hard dry	24 hrs. at 20 °c
Fully cured	7 days. at 20 °c



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APPLICATION

Application method	Airless spray, twin feed airless spray
Surface temperature	10-40 °c
Mixing ratio	Refer to can label
Thinner/Cleaner	Don't need
Recoat interval	Min 2 hrs. at 20 °c Max 3 Days at 20 °c Recoating intervals related to later conditions of exposure
Pot Life	1 hrs. at 20 °c
Application condition	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation Environment Temperature should be 10 °C min and 40 °C max and Relative humidity: 80% maximum.
Nozzle orifice	0.043"-0.047"
Nozzle pressure	275 bar/4000 psi Airless spray is indicative and subject to adjustment

SURFACE PREPRATION

All surfaces should be clean, dry and free from any contaminations. Bare steel: blast cleaning to Sa2½ (SSPC SP 10).
Concrete: the surfaces must be free from any foreign materials like as dust, chalk and laitance and should be cleaned by hand tool and power tool facilities.

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.

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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