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Kansai Paint Iranian

A855-1001

INORGANIC ZINC ETHYL SILICATE PRIMER

GENERIC TYPE

Ethyl Silicate

DESCRIPTION

A855-1001 is a tow pack, self-curing, (reacting with atmospheric moisture), solvent-based inorganic zinc ethyl-silicate coating with outstanding resistance against weathering and abrasion.

RECOMMENDED USE

As general-purpose, heavy-duty rust preventing primer, suitable for long term protection of steel structures exposed to the severely corrosive and abrasive environment. It has excellent chemical resistance within the pH range of 6-9.

FEATURES

- High galvanic protection
- High corrosion and abrasion resistance
- Heat resistance up to 400ºC continuously
- Suitable for use with a wide range of high performance topcoats
- Excellent resistance to weathering & UV exposure

PHYSICAL PROPERTIES

Finish	Flat
Color	Gray
Solid by volume	62±2%
Zinc content in dry film	85±5%
Specific Gravity	2.9±0.1 gr/cm^3
Flash point	17 °C
Recommended D.F.T.	50-75 microns
Theoretical coverage	8.26-12.40 m^2/Lit Practical coverage depends on the loss factor
Touch dry	15 min. at 20°C
Fully cured	Depended to temperature & humidity after MEK resistance After 3 days at 65% relative humidity

APPLICATION

Application method	Air/Airless spray
Surface temperature	10-40 °C
Mixing ratio(by weight)	1 : 3.57
Packaging(A+B)	7kg+25kg
Solution(A)	A855-1001
Zinc Dust(B)	A850-1001
Thinner/Cleaner	A840-0855
Recoat interval	Min after MEK RUB resistance according to ASTM D-4752 Max indefinite Recoating intervals related to later conditions of exposure
Pot Life	4 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. Minimum Temperature should be 10 °C and 40 °C max and minimum relative humidity is 65%.

Airless Spray :
Pump: 45:1 or greater
Nozzle orifice: 0.017-0.023 inch (0.43-0.58mm)
Pressure at nozzle: 120-150 Bar
Fan angle: 60-80º
Volume of thinner: 5 %
Air Spray :
Nozzle Size: 1.8 -2.2 mm
Atomizing Pressure: 3-4bar
Volume of thinner: 10-15 %

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).
- For immersion condition loosely material must completely removed by abrasive blasting (ISO 8501-1:2007 Sa 3 or SSPC SP-5).

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.

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.