



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

www.kansaipaint.ir

Date of issue: June 2017

A855-1001

INORGANIC ZINC ETHYL SILICATE PRIMER

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|----------------------------|--|--------|------|-------|------|-----------------|-------|--------------------------|-------|------------------|-----------------------------|-------------|-------|--------------------|---------------|----------------------|--|-----------|-----------------|-------------|--|
| 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 a general purpose, heavy duty rust preventing primer, suitable for long term protection of steel structures exposed to severely corrosive and abrasive environment. It has excellent chemical resistance within the PH range 6-9. | | | | | | | | | | | | | | | | | | | | |
| FEATURES | <ul style="list-style-type: none">-High galvanic protection-High corrosion and abrasion resistance-Heat resistance up to 400°C continuously-Suitable for use with a wide range of high performance topcoats-Excellent resistance to weathering & UV exposure | | | | | | | | | | | | | | | | | | | | |
| PHESICAL PROPERTIES | <table><tr><td>Finish</td><td>Flat</td></tr><tr><td>Color</td><td>Gray</td></tr><tr><td>Solid by volume</td><td>62±5%</td></tr><tr><td>Zinc content in dry film</td><td>85±5%</td></tr><tr><td>Specific Gravity</td><td>2.85±0.1 gr/cm³</td></tr><tr><td>Flash point</td><td>17 °c</td></tr><tr><td>Recommended D.F.T.</td><td>60-75 microns</td></tr><tr><td>Theoretical coverage</td><td>11.6-7.6 m² / Lit Practical coverage depends on loss factor</td></tr><tr><td>Touch dry</td><td>15 min. at 20°c</td></tr><tr><td>Fully cured</td><td>Depended to temp. & humidity after MEK resistance</td></tr></table> | Finish | Flat | Color | Gray | Solid by volume | 62±5% | Zinc content in dry film | 85±5% | Specific Gravity | 2.85±0.1 gr/cm ³ | Flash point | 17 °c | Recommended D.F.T. | 60-75 microns | Theoretical coverage | 11.6-7.6 m ² / Lit Practical coverage depends on loss factor | Touch dry | 15 min. at 20°c | Fully cured | Depended to temp. & humidity after MEK resistance |
| Finish | Flat | | | | | | | | | | | | | | | | | | | | |
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| Fully cured | Depended to temp. & humidity after MEK resistance | | | | | | | | | | | | | | | | | | | | |



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APPLICATION

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| 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 | Don't need |
| Recoat interval | Min after MEK resistance 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: 60-80° | |
| Volume of thinner: Do not thin. | |
| Air Spray : | |
| Nozzle Size: 1.8 -2.2 mm | |
| Atomizing Pressure: 3-4bar | |
| Volume of thinner: Do not thin. | |

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

- Avoid excess thickness application. Over 75µm/coat may cause crack or film break down.
- As surface preparation, blast cleaning to steel surface is required.

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.



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SHELF LIFE

3 months from date of production.

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KP/TDS