

CODE: AL-102

PRODUCT NAME:

Alkyd Zinc Phosphate Primer

DESCRIPTION:

AL-102 is a single pack alkyd zinc Phosphate primer with good anti-corrosive resistance and abrasion resistance specifically designed for the blast steel structures in Semi-Industrial environments where fast drying , rapid handling and rapid overcoating properties are required. As with alkyd systems, AL-102 has limited chemical and solvent resistance and is not suitable for use in immersion situations or in conditions of continuous condensation.

TECHNICAL DATA:

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|---|---|
| Binder | Medium Oil Alkyd resin |
| Pigment | Zinc Phosphate as anticorrosive |
| Finish | Flat |
| Shade | White, Black, Grey , Red brown , Green, |
| Specific gravity | 1.3 ± 0.1 Kg/Lit |
| Volume solid | 55±3 % |
| Flash point | 34 °C |
| Typical dry film thickness | 50-80 Microns per one coat |
| Number of coat | One |
| Substrate | Blasted steel, Galvanized surfaces |
| Application method | Conventional or air less spray , brush , roller |
| Thinner- Cleaner | T-100 |
| Weight of added thinner | 15-20 % |
| Theoretical spreading rate (at 50 microns) | 11 M ² /Lit |
| Packing | 5kg or 25 kg |
| Shelf life | 12 Months |



Drying Time

| Temp | Touch dry | Hard dry | Overcoating | |
|------|------------|----------|-------------|-----|
| | | | Minutes | Max |
| 15°C | 90 minutes | 18 hours | 12hours | - |
| 25°C | 60minutes | 12 hours | 10 hours | - |
| 40°C | 40 minutes | 9 hours | 9hours | - |

Note: Drying times are dependent on applied film thickness; all data in this catalogue are reported at recommended DFT.

SURFACE PREPARATION:

Apply the Paint only clean and dry surfaces. Remove all grease, oil, soluble contaminants and other detrimental foreign matter by "solvent cleaning" (SSPC-SP1).

Steel:

For optimum performance "Near White Blast Cleaning" Sa2 ½ (ISO 8501-1:1988) or SSPC-SP10 is recommended. "Commercial Blast Cleaning" (SSPC-SP6) is acceptable in many areas. .

Previously painted surfaces:

Remove all mill scale, loose rust, loose paint and other detrimental foreign matter by "Hand or Power Tool Cleaning" (SSPC-SP2 or SP3, respectively).

Apply one or more spot coats of AL-102, as specified.

- Surface preparation shall not take place in the following conditions:

- At temperature below 5 °C.
- When the relative humidity greater than 85%.
- When the metal surface temperature is less than 3 °C above the dew point.
- Outside day light hours on exterior locations.

- Apply AL-102 as soon as possible after surface preparation to prevent rusting.



Application Method:

This material is a one component coating and should always be mixed thoroughly with a power agitator before application. Stir during application to maintain uniformity of material.

Application Equipments

| | |
|---------------|---|
| Airless Spray | Tip range 0.017-0.019 inch Total output pressure at spray tip not less than 141 Bar (2000 psi) |
| Air Spray | Nozzle orifice: 1.8-2mm Nozzle pressure : 2-4 Bar (29-58psi) |
| Brush | Typically 30-40 mic can be achieved. |
| Roller | Typically 30-40 mic can be achieved. |

Flush Equipment with recommended Cleaner before and after use.

ENVIRONMENTAL CONDITIONS:

- For satisfactory cure, air and surface temperature must be above 10 °C.
- To prevent moisture condensation during application, surface temperature must be at least 3 °C above the dew point.
- Never apply coatings under reverse environmental condition.
- Paint shall not be applied when wind speed is in excess of 7 m/s.

| | |
|----------------------|-------------|
| Air temperature | 10 to 40 °C |
| Surface temperature | 10 to 50 °C |
| Material temperature | 15 to 40 °C |
| Relative humidity | Max 80 % |

Health and Safety:

This product is Flammable. Keep away from heat and open flame .Keep container closed .Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

- 1-Circulate adequate fresh air continuously during application and drying.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames, sparks, welding and smoking

Under License



Approved

