CODE: AL-125

PRODUCT NAME:

Alkyd intermediate coating

DESCRIPTION:

AL-125 is single pack alkyd paint with good abrasion resistance for interior and exterior structures in Semi-Industrial environments above water. AL-125 is not suitable for immersion and should not be used in alkaline conditions. It is not designed for application over epoxies or polyurethanes and should not be applied over zinc based primers because dangers of specification of the alkyd resin and consequent adhesion loss.

TECHNICAL DATA:

Binder	Alkyd resin
Pigment	Organic and inorganic pigments
Finish	Flat-Semi flat
Shade	RAL Colors
Specific gravity	1.3±0.1 Kg/Lit
Volume solid	50±3 %
Flash point	30 ºC
Typical dry film thickness	50-80 Microns per one coat
Number of coat	One or two
Substrate	Primed steel , wood ,Plaster or Concrete surfaces,
Application method	Conventional or air less spray , brush , roller
Thinner / Cleaner	T-100
Weight of added thinner	10-25%
Theoretical spreading rate one coat (at 50 microns)	10 M²/Lit
Packing	5 kg or 25Kg
Shelf life	12 Months

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Drying Time

Temp	Touch dry	Hard dry	Overcoating Min	Max
15°C	90 minutes	20 hours	18 hours	-
25°C	60minutes	16 hours	15 hours	-
40°C	30 minutes	12 hours	10hours	-

Note 1: Drying times are dependent on, applied film thickness ,all data in this catalogue are reported at recommended DFT.

Surface Preparation

All surfaces to be coated should be clean, dry and free from contamination. Fresh water wash or water wash with high pressure, as appropriate, and remove all oil or grease, soluble contaminants, and other detrimental foreign matter in accordance with SSPC-SP1 solvent cleaning.

NEW BUILDING/MAJOR REFURBISHMENT

AL-125 should always be applied over a recommended primer coating scheme. The primer surface should be dry and free from all contamination, and AL-125 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

Areas of breakdown, damage and all that, should be prepared to the specified standard (e.g.Sa2 ½ (ISO 8501-1:1998), or SSPC-SP-1, Hand/power cleaning) and patch

Primed prior to the application of AL-125.

AL-125 may be applied directly over aged AL-125 following thorough fresh water washing and degreasing provided the coating to be overcoated is in an intact and tightly adherent condition. Loose or flaking coatings should be removed back to a firm edge and AL-125 or an appropriate primer should be used to repair the area before application of the full coat.

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

A) At temperature below 5 ºC.

B) When the relative humidity greater than 85%.

C) When the metal surface temperature is less than 3 ºC above the dew point.

D) Outside day light hours on exterior location.

Application Method:

This material is a one component coating and should always be mixed thoroughly with a power agitator before application.

Application Equipments

Airless Spray	Tip range 0.013-0.019inch Total output pressure at spray tip not less than 141 Bar (2000 psi)
Air Spray	Nozzle Orifice:1.8-2 mm Nozzle Pressure:2-4 Bar (29-58 psi)
Brush	Typically 40 mic can be achieved.
Roller	Typically 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 ºC.
- To prevent moisture condensation during application, surface temperature must be at least 3 ºC 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 ºC
Surface temperature	10 to 50 ºC
Material temperature	15 to 40 ºC
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.

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