

CODE: AC-750

PRODUCT NAME:

Acrylic Thermoplastic Primer

DESCRIPTION:

AC-750 is a single pack decorative paint based on micro porous Acrylic resin with optimum colour retention. AC-750 is resistant to wear, impact, salt water, mineral oils and splash of aliphatic solvents, animal and vegetable oils for interior and exterior structures in Semi-Industrial environments above water. Of course it is not resistant to aromatic solvents.

TECHNICAL DATA:

Binder	Acrylic Thermoplastic
Pigment	Zinc phosphate & red oxide
Finish	Flat
Shade	Red , White, Grey
Substrate	blasted steel or Concrete surfaces
Volume solid	50±3%
Typical dry film thickness	40-80 Microns per one coat
Number of coat	One
Flash point	26 °C
Specific gravity	1.4± 0.1 Kg/Lit
Theoretical spreading rate - one coat (at 80 microns)	6.3M ² /Lit
Application method	Conventional or airless spray , brush , roller
Thinner / Cleaner	T-700
Weight of added thinner	Max 10-15 %
Packing	25 kg
Shelf life	12 Months

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Drying Time

Temp	Touch dry	Hard dry	Overcoating	
			Min	Max
15°C	40minutes	12 hours	12 hours	-
25°C	20 minutes	8 hours	10 hours	-
40°C	15 minutes	5hours	5 hours	-

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

Surface preparation

- Surface preparation shall not take place in the following conditions:
 - A) At temperature below 5 °C
 - B) When the relative humidity greater than 85%
 - C) When the metal surface temperature is less than 3 °C above the dew point
 - D) Outside day light hours on exterior locations
- Apply AC-750 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

Air less 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 1.8-2 mm Nozzle pressure: 3-5 Bar (43-72 psi)
Brush	Typically 30 mic can be achieved.
Roller	Typically 30 mic can be achieved.

Flush Equipment with recommended Cleaner before and after use.

ENVIRONMENTAL CONDITIONS:

- 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.
- In hot climate, material temperature should be 20 to 25 °C prior to mixing.
- -For satisfactory cure, air and surface temperature must be above 10 °C
- 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.

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