

CODE: AC-700

PRODUCT NAME:

Acrylic Emulsion primer

DESCRIPTION:

AC-700 is a waterborne alkali resistant, acrylic primer in ant carbonation system. The product is water-repellent, but allows water vapor from the substrate to pass through the paint film.

**TECHNICAL DATA:**

Binder	Acrylic Emulsion
Pigment	TiO <sub>2</sub>
Finish	Flat
Shade	Grey, Green, Black, Blue
Substrate	Cleaned chalk or, Concrete surfaces
Volume solids	40 ± 3%
Typical dry film thickness	25-50 Microns per one coat
Number of coat	One
Specific gravity	1.3± 0.1 Kg/Lit
Theoretical spreading rate - one coat( at 30 microns)	13.3 M <sup>2</sup> /Lit
Application method	Air spray , brush , roller
Thinner / Cleaner	Water
Weight of added water	Max 10-20 %
Packing	10 kg
Shelf life	12 Months

**Drying Time**

Temp	Touch dry	Hard dry	Overcoating	
			Min	Max
15°C	60 minutes	12 hours	8 hours	-
25°C	30 minutes	4 hours	4 hours	-
40°C	10 minutes	2 hours	2 hours	-

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

## RECOMMENDED USE:

As a Topcoat for Interior and Exterior of Building.

## Outstanding Characteristics:

- Excellent water resistance
- thin mil thickness
- multi metal protection
- Good appearance
- Good flexibility
- Good wash ability
- Quick-drying
- Good weather resistance

## Surface Preparation:

The surface must be clean, dry and free from any contamination such as rust, grease, salt and loose paint

## 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.

1. Flush all equipment with water before use.
2. Stir the product thoroughly with a power mixer.
3. For conventional spray, the viscosity should be 30 sec.
4. Apply a wet coat by parallel passes. Overlap each pass 50% to avoid bare areas, pinholes or holidays.
5. Spray with standard airless spray equipment having a 30:1 or higher pump ratio and a tip with a 0.015-0.017inch orifice, or with conventional spray with a 1.5-1.8 mm orifice to obtain an even wet coat with minimum over spray.
6. Random pinholes, holidays and small damaged or bare areas can be touched up by brush when the film is semi dry to touch. Larger areas should be replayed.

7. in confined areas ventilate with clean air during application.
8. Clean all equipment with water immediately after use.

### Application Equipments:

Air Spray	Nozzle orifice 0.015'' -0.017'' Nozzle pressure:150 Bar (2200 psi)
Brush	Typically 50 mic can be achieved.
Roller	Typically 70 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:

The products should be kept in a cool and well ventilated place protected from heat and direct sunlight. Containers must be kept tightly closed.

Handle with care. Stir well before use.

Under License



Approved

