



## Top Clear AC-7070

### Product Description

Solvent based acrylate copolymer primer and penetrative water repellent protective treatment for concrete and masonry. It works by penetrating into the pores of concrete and reacting there with the moisture / water vapor present to form a hydrophobic poly acrylate lining to the capillaries. The product non-staining, allows water vapor to escape from the structure and Chemically resistant to ice melting compounds, fuels, oils and atmospheric contaminants.

### Product uses:

To protect atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, sulphate, oxygen and water. The product is also suitable to protect other cementations substrates and masonry. It is equally suitable for new and existing structures. It significantly reduces the absorption of water and water borne salts. It also perfect to be used over brick, marble, Stamped Concrete and wood finishes new or old.

### Properties

- Fast Drying.
- None Yellowing.
- Easy to apply.
- None Chalking.

### TECHNICAL PROPERTIES

<i>Appearance/Color</i>	Semi Gloss / Transparent
<i>Density:</i>	0.85 kg/liter
<i>Volume solids %:</i>	22 %
<i>Theoretical spreading rate:</i>	4.4 m <sup>2</sup> /ltr (50 micron DFT) – 5.1 m <sup>2</sup> /kg
<i>Consumption:</i>	200-250 g /m <sup>2</sup> for 50 micron thickness
<i>Recommended DFT:</i> <i>(Dry Film thickness)</i>	80-100 micron
<i>Surface dry:</i>	8 - 10 approx. min (s) 23°C/73.4°F 50% R.H.
<i>Light foot traffic</i>	5 -6 hours (23°C and 50% R.H.)
<i>Full dry:</i>	24 hours (23°C and 50 % R.H.)
<i>Application temperature:</i>	+10 °C/50° F and +35 °C/ 95°F

### Application Details

<i>Application method:</i>	Brush / Roll / Airless Spray
<i>Thinner:</i>	Cellulosic Thinner
<i>Thinner Amount:</i>	Brush (Do not Thin) – Roller ( 5 %) - airless Spray (5%)



## ***Surface Preparation:***

- Surface must be dry, clean and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder adhesion.
- Surface must be firm and have enough strength. If in doubt, apply a test area before beginning.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- All dust, loose and friable particles should be removed from the surface before application with brush and/or vacuum cleaner.
- Grinding by diamond disk should take over the place and all the dust must be removed by vacuum machine.
- All the cracks must be repaired by Flexible Material.
- For asphalt surfaces , the surface should be clean , dry and out of oil or liquid asphalts.

## ***PRECEDING COAT:***

**None**

## ***Important Remarks:***

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm<sup>2</sup> compression resistance and minimum 1, 5 N/mm<sup>2</sup> tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 24 hours after application.
- All application tools and equipment should be cleaned with water immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above.

## ***Shelf life & Storage:***

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

## ***Safety:***

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## ***Legal Notice:***

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