

## TRI- COAT 700

Acrylic resin ultra violet resistant protective coating

### Description

**Tri -Coat 700** is a one-component solvent base coating based on acrylic resin.

**Tri -Coat 700** is available in a wide range of colors, also clear

**The product is certified by National Organization for Potable water & Sanitary Drainage.**

**The product is certified by National Research Center.**

ASTM (G153/C267/D4060) - EN ISO 1518 - BS 6920 - NSF 60  
And Egyptian standard No 190 , and standard method for Examination of water



### Uses

**Tri -Coat 700:** is designed to provide protection for atmospherically exposed Structure against attack due to high moisture levels, acidic gases, sulphates Chloride ions, and sun light

- As a protective coating for stamped concrete
- Plinth and pipe support racks.
- Bridge abutments, Boundary walls.
- Concrete storage tanks.
- As a coating for concrete buildings.
- As protective top coat for primed steel structures in aggressive exposure Conditions like industrial and coastal environments.
- High rise building and villas.
- used as a road marking on highway, all road in Cities, freeways, as acrylic base road marking in Factories and as a marking for hold Areas and around the machines.

### Advantages

- High performance comprehensive barrier against UV, carbon dioxide, Water, sulphate and chloride ions.
- Reduced water absorption.
- Excellent adhesion to plastic surface and most substrates.
- Extremely durable, high resistant to the effect of long term UV weathering.
- Fast drying time.
- Easy to apply.
- Allows moisture vapour to escape from the structure.
- Suitable for the Middle East conditions.
- It has a good reflection properties for light with glass beads.

page 1 of 3



#### Factory & Head Office:

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### Technical Data @°25c

DISCRETIONS	VALUE
Color	Transparent, White, gray (other required colors)
Solid Content (by weight)	73 ± 2 %
Solid Content (by volume )	54 ± 2 %
Density	1.45± 0.10 kg/l for colors 1.00± 0.01 kg/l for Transparent
Touch Dray	15 -20 Min.
Hard Dray	2-4 hours
Full hardness	7 days
Flash point	27 C°
Min. Application temperature	10 C°
Rate of use (theoretical)	4.5 -5 m <sup>2</sup> / kg- 75μ DFT/2Coat (depending on surface conditions)
Chemical resistance ASTM C267	No effect
UV resistance ASTM G153	0.4 AE
Abrasion resistance ASTM D4060	107 mg loss in weight

### Chemical Resistance

Chemical Resistance			
Hydro chloride	10 %	30 %	No effect
Sulfuric acid	10 %	30 %	No effect
Acetic acid	10 %		No effect
Sodium hydroxide	50 %		No effect
Potassium hydroxide	50 %		No effect
Sodium chloride	50 %		No effect

### Directions for use

#### Surface Preparation

All surfaces should be sound, dry, free from oil, grease loosely adhering particles. Steel surfaces :should be free from scale and rust. concrete age :should be 28 days at least.

#### Mixing

The can should be well mix before using until a smooth and consistency is achieved

For small quantities manule mixing is enough.

For large quantities mechanical mixing is preferable.

#### Application

Tri -Coat 700 can be apply by using brush, roller and spray



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Item	Min	Max	Act.
Film thickness wet. ( $\mu$ )	100	200	140
Film thickness dry. ( $\mu$ )	50	100	75
Rate of use Theo.(m <sup>2</sup> /L)	10	5	7
Recoat time (approx.)	2 – 4 hrs. (Depending on conditions of weather)		

### Cleaning

Clean all tools and equipment immediately after use with white spirit.

### Package

5 Kg or 20 Kg pack for colored

### Storage

should be stored at room temperature in dry warehouse.

### Shelf life

Two Years in original packing.

### Health and Safety

- Resins contain irritants, especially to the skin, eyes.
- Persons handling these materials should use appropriate protective clothing, Including rubber or plastic gloves.
- If the product should contact the skin, it should be removed immediately With a dry cloth or paper towel, and the areas of contact washed Thoroughly with soap and water.



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