

# ARMORFLO 700 TOPCOAT

Two component, solvent free, Anti-static, Epoxy-based self leveling floor coating

## Product Description:

**ARMORFLO 700** is a two component consisting of epoxy and polyamide resin based topcoat that possess high Physical and chemical resistance. It adheres perfectly to aluminum, galvanized metal and any other metal and also Concrete surfaces. It is a good solution in cases where high performance is of top importance. Also, it is resistant to Mineral oils, sea water and a lot of chemical substances.

## Advantages:

- High chemical and physical resistance
- Excellent compressive strength
- Excellent flexural and tensile strength
- Seamless dust free and easy to clean.
- Dense corrosion resistant surface

## Typical application:

Armorflo 700 can be applied for floor finish coating on:

- Industrial and factory floors
- Water reservoirs
- Flour silos
- Petroleum and mineral oil tanks
- Grain storage bins

## Application instructions:

### Surface preparation;

Surface should be clean and dry and free of impurities and should be coated with primer.

**SURFACES WITH PRIMING COAT/INTERMEDIATE COAT:** Due attention must be paid to over coating times before applying the top Coat for the surfaces on which a primer and/or an intermediate coat was previously introduced.

It is recommended that fully cured Surfaces should be roughened up before applying a top coat.

**TOUCH-UP/REPAIR PROCEDURE:** Surface to be repaired or touched up will be subjected to cleaning operation to remove Impurities, grease and salt with detergent and high-pressure water, and damaged surfaces will be cleaned by sandblasting Process to meet st-2 and st-3 grade. Cleaned surfaces must be coated with a proper primer.

A surface which is dry, clean And/or coated with primer will be deemed proper for paint touch-up/repair.

**LINELESS AND/OR NONFERROUS METALS:** It is recommended to consult our Technical Support Services for aluminum, galvanized steel, stainless steel, concrete and plastic surfaces.

**AMBIENT CONDITIONS:** Surface temperature must be +10; +30 °C and relative humidity must be maximum 80% in order to achieve optimal results. Metal surface temperature must be at least 3°C above the dew point of air to avoid condensation on the surface. Good ventilation is essential for drying process in case the application is carried out in a confined space.

**MIXTURE:** Product must be blended using a mechanical mixer until it becomes a homogeneous mixture. Mixture viscosity must be adjusted with the recommended hardener and thinner, taking mixing ratio, mixture pot life and application equipment specified in the technical specifications section into consideration. Allow mixture to rest for 15 minutes after it is ready before starting the application.

**APPLICATION OF THE PAINT:** Painting process must be carried out by applying recommended wet paint film thickness in order to achieve the required dry film thickness, by paying due attention to the chosen application equipment after checking for the completion of surface conditioning operations.

**APPLICATION METHODS:** A temperature of 20°C is recommended for optimal results. Optimum settings for application must be specified taking application conditions, ambient temperature, film thicknesses and equipment information into account.

### Technical specifications:

Number of Components	: 2
Gloss	: Semi-gloss
Thinner for Application	: CTO-500
Mode of Application	: Paint Roller, Brush, Sprayers (air – airless)
VOC	: 287 g/l
Packing	: 21 kg + 3 kg
Shelf Life	: 1 year in its original intact container at temperatures between +5 and + 25°C.

#### Application thickness

FILM THICKNESS (MICRONS/ LAYER)	THEORETICAL PAINTABLE SURFACE
	m <sup>2</sup> /lt WET
DRY	6 – 6.5
60	

## DRYING TIME

(100 micron dry film thickness)

SURFACE TEMPERATURE °C	WITH CHO-700 HARDENER (NORMAL)		
	TOUCH-DRY TIME	HARD-DRY TIME	CURE TIME
5	-	-	
15	9 hours	15 hours	7 days
25	6 hours	12 hours	7 days
35	4 hours	9 hours	7 days

### Installation and consumption Guide ARMORFLO Epoxy System

Service	ARMORFLO 500	ARMORFLO 700
Industrial mild	4- 6 mm	1.5mm
Industrial	5-7 mm	1.5 -2mm
Heavy duty Industrial	8-10mm	1.5-2mm

### SAFETY PRECAUTIONS

#### R - (Risk phrases)

R10 – Flammable.

R48/20/21- Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin

R65 - Harmful: may cause lung damage if swallowed.

#### S – (Safety phrases)

S24 - Avoid contact with skin.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 - Wear suitable gloves and eye/face protection.

S29/56 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### COMPONENT B:

Component B is a polyamide resin based epoxy topcoat hardener that has high physical and chemical resistance.

### Application instructions:

Mixing process;

Product must be blended using a mechanical mixer until it becomes a homogeneous mixture. Mixture viscosity must be adjusted with the recommended component B hardener and thinner, taking mixing ratio, mixture pot life and application equipment specified in the technical specifications section into consideration. Allow mixture to rest for 15 minutes after it is ready before starting the application.

### safety precautions:

#### R - (Risk phrases)

R10 – Flammable.

R48/20/21- Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin

R65 - Harmful: may cause lung damage if swallowed.

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S24 - Avoid contact with skin.

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S37/39 - Wear suitable gloves and eye/face protection.

S29/56 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### Health and Safety Precautions:

Health and safety instructions available in the materials safety data sheet (MSDS) should be observed. Adequate ventilation must be provided during application. Wear protective equipment such as mask and gloves. Avoid direct touch and do not inhale vapors . Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

### Shelf Life:

1 year in its original intact container at temperatures between 5<sup>0</sup>C and 25<sup>0</sup>C.

#### ARMORSIL SPECIALTY BUILDING PRODUCTS

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