

# ARM707X-CM

## 100% SOLIDS EPOXY COATING

### PRODUCT DESCRIPTION

ARM707X-CM is a 100% solids epoxy coating that is solvent-less. It is a two component epoxy coating system. It exhibits very good appearance and chemical and physical properties.

**RECOMMENDED FOR:** Recommended for a high build topcoat or basecoat on concrete or masonry. Product is suitable in many chemical exposure environments.

### CHEMICAL AND PHYSICAL ANALYSIS

SHELF LIFE	12 MONTHS
MIX RATIO	2 PARTS A TO 1 PART B
POT LIFE	40-50 MINUTES @ 77°F
SOLIDS BY WEIGHT	100%
SOLIDS BY VOLUME	100%
PACKAGING	3 GAL KITS. 2 GAL A, 1 GAL B
COLORS	MEDIUM GRAY, LIGHT GRAY
RECOMMENDED THICKNESS	6-12 MILS
COVERAGE	200 SF PER GALLON @ 6 MILS THICK 100 SF PER GALLON @ 12 MILS THICK
-	-
CURE SCHEDULE	-
FOOT TRAFFIC	16 TO 30 HOURS
LIGHT TRAFFIC	2-5 DAYS
FULL CURE	5-10 DAYS
BOARD RESISTANCE (PSI) ASTM D4541	> 300 (SUBSTRATE RUPTURES)
PERMEABILITY (%), ASTM D570	0.3%
HARDNESS (SHORE D), ASTM D2240	85-90
ABRASIVE RESISTANCE, ASTM D4060 (CS17/100 CYCLES/1000G)	0.10G
VISCOSITY @ 77°F	1200-1400
TRACTION RESISTANCE (PSI), ASTM D638	6500
COMPRESSIVE STRENGTH (PSI MPA), ASTM D6595	14000
ELONGATION % ASTM D638	6.7
RECOAT WINDOW	-
@ 50 °F	30 HOURS - 72 HOURS
@ 68 °F	24 HOURS - 48 HOURS
@ 90 °F	16 HOURS - 24 HOURS

CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY

### ADVANTAGES

Dense surface resistant to bacteria and moisture and easy to clean // May apply several layers on itself with excellent adhesion // Low odor product allowing for interior application without harmful odors.

### COMPOSITION

100% solids epoxy coating

### PACKAGING

Sold in 3 Gal Kits consisting of 2 Gal of Pre-Tinted part A and 1 Gal of Part B

### COLOR

Available in Clear, Medium and Light Gray. Tint Packs can be used with clear. Call your sales representative to check for in stock colors.



**Super Durable**



**100% Solids Epoxy**



**Roll On Application**



**Chemical Resistance**



**Safe To Apply Indoors**

### RESTRICTIONS

Minimum/Maximum temperature of substrate: 50°F/86°F

Maximum relative humidity during application and curing: 85 %

Substrate temperature must be (5.5 ° F) above dew point measured.

Humidity content of substrate must be <4% when coating is applied.

Do not apply on porous surfaces where a transfer of humidity may occur during application.

Avoid exterior use on substrates at ground level.

Protect from humidity, condensation and contact with water during the 24-hour initial curing period

Surface may discolor in areas exposed to regular ultraviolet light

**BASE/BUILD**

**100% HIGH BUILDS SOLIDS EPOXY**

## INSTRUCTIONS

# ARM707X-CM

## 100% SOLIDS EPOXY COATING



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**PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE APPLICATION BEGINS. FAILURE TO DO SO CAN RESULT IN PRODUCT FAILURE.**

### PRODUCT STORAGE

Store product at normal room temperature before using. Continuous storage should be between 60 and 90 degrees F.

### SURFACE PREPARATION

The most suitable surface preparation would be sand blasting, diamond grinder w/30 grit or coarser or acid etching (followed by a thorough rinsing) to remove all laitance and provide a suitable application profile. All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating.

### PRODUCT MIXING

**PLEASE ONLY PREPARE QUANTITY THAT MAY BE APPLIED DURING POT LIFE OF MIXTURE. MIX RATIO IS 2A:1B. If mixing multiple**

In a separate mixing bucket pour both 1 gallons of parts A. Mix using a metal or paddle mixer and a drill for a minimum of 2 minutes. This is important to ensure an even color consistency in the final coating. Once mixed pour Part B into the mixing bucket and mix both components for at least 3 minutes using a drill at low revolution (300 to 450 rpm) to reduce trapping of air. If applying to smaller areas that do not require whole 3 gal kit to be used please ensure to only mix what can be used at the mixing ratio of 2A:1B. Close any containers that are unmixed and store indoors and in cool environment.

### PRODUCT APPLICATION

The mixed material can be applied by brush or roller. However, the material can also be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.

### RECOATING OR TOPCOATING

If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. PLEASE REFER TO THE REOCAT WINDOW STATED IN THE TDS. All previous coats should be deglossed to insure a trouble free bond prior to application of recoats or topcoats. Colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check for epoxy blushes (a whitish, greasy film or deglossing). If a blush is present, it can be removed by any standard detergent cleaner prior to topcoating or recoating. Many epoxy coatings and urethanes as well as multiple coats of this product are compatible for use as a topcoat. If using a product not sold by Armorpoxy please consult with your sales representative to ensure product compatibility.

### CLEANING

Clean all tools and materials with the cleaner/thinner for epoxies. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

### FLOOR CLEANING

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

### HEALTH AND SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation.

## **NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY**

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.