

# ARM1784X

## 100% SOLIDS EPOXY - FLEXIBLE MEMBRANE COATING

### PRODUCT DESCRIPTION

ARM1784X is a two component 100% solids epoxy designed for use underneath epoxy flooring systems for a seamless elastomeric membrane. The toughness and elongation eliminate the need to repair small static hairline cracks.

**RECOMMENDED FOR:** Recommended for coating concrete or cementitious substrates as a crack bridging sealer before application of epoxy topcoat systems.

### SPECS

SOLIDS BY WEIGHT	100%
SOLIDS BY VOLUME	100%
VOLATILE ORGANIC CONTENT	0 LBS PER GALLON
RECOMMENDED THICKNESS	10-50 MILS
PACKAGING INFORMATION	3 GAL KIT / 15 GAL KIT
MIX RATIO	2 PARTS A : 1 PARTS B (2:1)
SHELF LIFE	1 YEAR IN UNOPENED CONTAINERS
ABRASION RESISTANCE	18.4 MG LOSS WITH A 1000 GRAM TOTAL LOAD AT 1000 REVOLUTIONS WITH A CS10 WHEEL.
VISCOSITY	PART A = 133 KREBS; PART B = 55 KREBS
DOT CLASSIFICATIONS	A: "NOT REGULATED" // B: "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"
TENSILE STRENGTH	2,400 PSI
ELONGATION	100%
GARDNER VARIABLE IMPACTOR	160 INCH POUNDS DIRECT- PASSED
ADHESION	420 PSI @ ELCOMETER (CONCRETE FAILURE, NO DELAMINATION)
HARDNESS	SHORE D= 55

### COVERAGE

PER GALLON	32-160 SQUARE FEET PER GALLON @ 10-50 MILS
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### COLORS

CLEAR (GARDNER 1-3)
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### CURE SCHEDULE

POT LIFE (1.5 GAL VOLUME)	22-33 MINUTES
TACK FREE (DRY TO TOUCH)	5-9 HOURS
RECOAT OR TOPCOAT	8-12 HOURS
LIGHT FOOT TRAFFIC	12-24 HOURS
FULL CURE (HEAVY TRAFFIC)	2-7 DAYS
APPLICATION TEMPERATURE	60-90 DEGREES F WITH RELATIVE HUMIDITY BELOW 90%

### PRIMERS

NONE REQUIRED
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### TOPCOAT

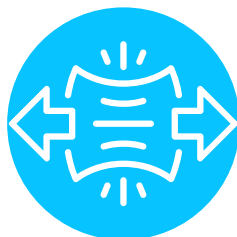
MANY SUITABLE TOPPING CAN BE USED.ALWAYS APPLY A TEST AREA TO CONFIRM THAT THE PRODUCTS ARE COMPATIBLE BEFORE APPLYING A TOPCOAT SYSTEM.

### CHEMICAL RESISTANCE

XYLENE	B
METHANOL	B
SKYDROL	B
10% SODIUM HYDROXIDE	D
50% SODIUM HYDROXIDE	D
10% SULFURIC ACID	C
10% HC1 (AQ)	C
5% ACETIC ACID	B

Rating Key: Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

### FEATURES



**Flexible Coating**



**Super Durable**



**Roll On Application**

### LIMITATIONS

Colors or gloss may be affected by high humidity, low temperatures, chemical exposure, or exposure to lighting such as sodium vapor lights. For best results use a high quality 3/8" nap roller. Slab on grade requires moisture barrier. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days. Physical properties are typical values and not specifications. Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide. Tire contact may cause staining and discoloration. Colors may vary from batch to batch, therefore, use only product from the same batch for an entire job. See reverse side for application instructions. See reverse side for limitations of our liability and warranty.\*Clarity of color or gloss may be affected by environmental conditions such as high humidity, low temperatures, or chemical exposure. \*Clarity of color may vary from batch to batch. Therefore, use only product from the same batch for an entire job when not intended solely as a primer for subsequent colored topcoat systems. \*This product is not suitable in all chemical environments. When chemical exposure is imminent, a test should be performed to test suitability. \*Always apply a test patch to check compatibility for both the concrete substrate and any subsequently planned topcoat systems to determine suitability before using. \*Substrate temperature must be 5°F above dew point. \*All new concrete must be cured for at least 30 days prior to application. \*Applications with relative humidity above 90% or early water contamination may cause white discolorations to develop. \*Improper mixing may result in product failure. \*See reverse side for application instructions. \*Physical properties are typical values and not specifications. \*See reverse side for limitations of our liability and warranty



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### **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 a fine brush blast (shot blast) to remove all laitance and provide a suitable 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**

This product has a mix ratio of 2:1. 2 part A to 1 part B. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing equipment is available. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. After mixing, transfer the mixed material to another pail (the transfer pail) and again remix. The material in the transfer pail is now ready to be applied.

### **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. Because this material has a short pot life, it is beneficial in some applications to remove the material from the mixing pail by pouring the material onto the substrate and spreading it along the floor. Spreading out the material will allow the applicator more time to work with the material before it begins to cure. If broadcasting aggregate into the product, the aggregate should be broadcast into the applied material before applying suitable topcoats. 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**

We recommend that a trial test area be applied with this product and the proposed topcoat system prior to the application to determine suitability. When you recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. To facilitate a greater bond between coats, the product can be deglossed to insure a trouble free bond prior to application of recoats or topcoat systems. It is advisable to test topcoats for suitability prior to application when not in a broadcast system. 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.

### **CLEANUP**

Use Xylol.

### **FLOOR CLEANING**

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

### **RESTRICTIONS**

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

### **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.