

# ARM256X

## ACID/CHEMICAL RESISTANT CLEAR COATING

### PRODUCT DESCRIPTION

ARM256X is a two component 97% solids novolac clear coating that can be used either as a coating or filled with paint chips, marble chips, and colored sand mixtures to provide an infinite array of color schemes or patterns. This product is suitable for medium to high build applications.

**RECOMMENDED FOR:** Recommended for chemical spill areas, troughs, curbs, and tanks. This product has exceptional chemical resistance and good color clarity.

### SPECS

SOLIDS BY WEIGHT	97%
SOLIDS BY VOLUME	96%
VOC CONTENT	Less than 31 g/l
RECOMMENDED FILM THICKNESS	15 mils
PACKAGING INFORMATION	1 gallon and 5 gallon kits (volume approx.)
MIX RATIO	3 Parts A to 2 Pat B (kits are pre measured)
SHELF LIFE	1 year in unopened containers
FINISH CHARACTERISTICS	Gloss (>70 at 60 degrees @ glossmeter)
FLEXURAL STRENGTH	10,120 psi @ ASTM D790
COMPRESSIVE STRENGTH	9,440 psi @ ASTM D695 - 1/2" x 1/2" bars
TENSILE STRENGTH	6,550 psi @ ASTM D638
ADHESION	400 psi @ elcometer (concrete failure, no delamination)
ULTIMATE ELONGATION	2.9%
HARDNESS	Shore D = 82
GARDNER VARIABLE IMPACTOR	50 inch pounds direct - passed
ABRASION RESISTANCE:	Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 27 mg loss
VISCOSITY	Mixed = 700-1000 cps (typical)
DOT CLASSIFICATIONS	Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

### CHEMICAL RESISTANCE

Butanol	E	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.
Xylene	D	
1,1,1 trichloroethane	D	
MEK	C	
Methanol	C	
Ethyl Alcohol	C	
Skydrol	C	
10% AND 50% sodium hydroxide	E	
70% sodium hydroxide	C	
10% sulfuric acid	E	
10% HCl (aq)	D	
5% acetic acid	D	

### COVERAGE

PER GALLON	100 sq.ft per gallon @ 15 mils thickness
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### COLORS

Clear
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### CURE SCHEDULE

POT LIFE	30-40 minutes
TACK FREE (Dry to touch)	8-12 hours
RECOAT OR TOPCOAT	14-16 hours
LIGHT FOOT TRAFFIC	24 hours
FULL CURE (heavy traffic)	2-7 days
APPLICATION TEMPERATURE	50-90 degrees F with relative humidity below 85% for best results.

### PRIMERS

Recommended ARM258X but none is required
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### TOPCOAT

Optional- none necessary. Multiple coats of this product are acceptable as a stand alone coating or in topcoating over aggregate filled decorative systems with the liquid used as the binder.

### FEATURES



Chemical Resistance



Heat Resistant



Super Durable



Roll On Application

### LIMITATIONS

Color stability or gloss may be affected by environmental conditions such as high humidity, temperatures, or chemical exposure. Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job. This product is not UV color stable and may discolor. Exposure to lighting such as sodium vapor lights may cause discolorations. Substrate temperature must be 5°F above dew point. For best results, apply with a 1/4" nap roller. All new concrete must be cured for at least 30 days prior to application. Apply a suitable primer before using this product. Do not expose this product to water until fully cured. 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. Keep from freezing

### **SURFACE PREPARATION**

The most suitable 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. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

### **PRODUCT MIXING**

This product has a mix ratio of 5.8# part A to 3.45# 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 on the primed substrate. Improper mixing may result in product failure.

### **PRIMING**

A suitable primer should be used before applying this product. See the front side of this technical data for primer information. If a primer is not used, more porous substrates may cause outgassing and possible surface defects.

### **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. This product can be used with various colored sand in a broadcast system or other suitable aggregate can be used in conjunction with this product to achieve a variety of color and application patterns. When using as a broadcast binder, always evaluate performance parameters with a test area which is dependent on aggregate size and thickness, prior to application. Contact your representative for details as necessary.

### **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. Always remember that colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film, or deglossing). If a blush is present, it must be removed prior to topcoating or recoating. A standard type detergent cleaner can be used to remove any blush. Multiple coats of this product are compatible.

### **CLEANUP**

Use PM solvent

### **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.

### **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.