



ArmorPoxy Inc.
1260 North Ave
Plainfield, NJ 07062
armorpoxy.com
E: support@armorpoxy.com
P: 888-755-7361

ARM933X

ARMOR LOW VOC FAST DRYING FLEXIBLE POLY COATING

PRODUCT DESCRIPTION

ARM933X is a two component, fast curing, high solids VOC compliant flexible polymer system designed to be used as a primer/basecoat for a wide variety of flooring applications. ARM933X combines quick tack free times with ample working time to create a product which makes 1-day flooring a reality. ARM933X can be used as a neat basecoat or in conjunction with materials such as decorative paint chips to create an endless number of decorative looks. For colder environments, accelerator is available to keep the cure times in line.

RECOMMENDED FOR: Residential and commercial applications over concrete or cementitious

CHEMICAL AND PHYSICAL ANALYSIS

SHELF LIFE	6-12 MONTHS
MIX RATIO	4 PARTS A TO 1 PART B
POT LIFE	15-20 MINUTES @ 70°F
SOLIDS BY WEIGHT	99%
VOC	11G/L
PACKAGING	1.25 GAL UNIT, 2.5 GAL UNIT, 5 GAL UNIT
COLORS	GRAY, BLACK, BEIGE
RECOMMENDED THICKNESS	8-12 MILS
APPLICATION TEMPERATURE	40-90°F WITH RH BELOW 90%
COVERAGE	200 SF PER GALLON @ 8 MILS THICK 100 SF PER GALLON @ 16 MILS THICK
-	<small>CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY</small>
CURE SCHEDULE	
RECOAT	3-6 HOURS
FOOT TRAFFIC	8-12 HOURS
FULL CURE	3-5 DAYS
HARDNESS	20-30 SHORE D TYPICAL
TENSILE STRENGTH	1,200 PSI
ELONGATION (ESTIMATED):	50-100%
IMPACT RESISTANCE	EXCELLENT
ABRASION RESISTANCE	20 MG LOSS WITH A 1000 GRAM TOTAL LOAD AT 1000 REVOLUTIONS WITH A CS17 WHEEL
ADHESION	370 PSI (ELCOMETER)
VISCOSITY	MIXED= 500 CPS - 1,400 CPS
DOT CLASSIFICATIONS	PART A "NOT REGULATED" PART B "NOT REGULATED"

ADVANTAGES

Strong adhesion to properly prepared concrete substrates // Fast cure at low temperatures // good chemical resistance // ultra-low VOC (california Compliant) // Flexible // 1-Day Install Flooring Approved

COMPOSITION

99% Solids Flexible Polymer Coating

PACKAGING

Sold in various sized units. 1.25 Gal Kit consists of 1 Gal of Part A and 1 Quart of Part B.

COLOR

Available in Gray, Beige, and Black

CHEMICAL RESISTANCE

		Rating Key
XYLENE	C	A - not recommended B
1,1,1 TRICHLOROETHANE	B	- 2 hour term splash spill
METHANOL	A	C - 8 hour term splash spill
ETHYL ALCOHOL	C	D - 72 hour immersion
SKYDROL	B	E - long term immersion
10% SODIUM HYDROXIDE	D	NOTE: extensive chemical resistance information is available through your sales representative.
50% SODIUM HYDROXIDE	D	
10% SULFURIC ACID	B	
70% SULFURIC ACID	A	
10% HC1 (AQ)	C	
5% ACETIC ACID	B	



Super Durable



99% Solids



Roll On Application



Fast Drying



Safe To Apply Indoors

RESTRICTIONS

It is recommended to use a topcoat with good UV stability such as a polyurethane or polyaspartic. Contact your sales representative for available options. Product is not UV color stable. Color stability may also be affected by environmental conditions such as high humidity, chemical exposure or exposure to certain types of light such as sodium vapor lighting. This product's intended use is as a flexible protective membrane and not as a finish coat. Some surface irregularities may develop concerning color or texture. Colors may vary from batch to batch. Gray and Beige color is not from our standard color chart. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days prior to application. This product must be mixed well. Apply sample installation at an off-sight location before using material in a commercial setting to become familiar with material limitations.

FLEXIBLE BASE COAT

99% SOLIDS HIGH BUILDS BASE



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

PRODUCT STORAGE: Store product in at normal room temperature. Continuous storage should be between 60 and 90 degree F. Do not store in areas which expose the product to freezing temperatures or excessive heat.

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 4 parts A to 1 part B by volume. 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. Pre-mix Part A before adding to the mixing pail. 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.

PRIMING: A Primer is not necessary.

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. It is beneficial 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. 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.

RECOAT OR TOPCOATING: A UV stable topcoat such as a polyurethane or a polyaspartic is highly recommended. When topcoating this product, you must first be sure that the coating has tacked off before recoating. It is advisable to test topcoats for suitability prior to application. Colder temperatures will require more cure time for the product before topcoating can commence (accelerator is available upon request). Before topcoating, check for surface contamination. If contaminants are present, it can generally be removed by any standard detergent cleaner prior to topcoating.

CLEANUP: Use xylol or other suitable cleaning 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, non-harsh chemicals and water until the coating is fully cured. 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.