



ARM707X-RM

100% SOLIDS EPOXY COATING

PRODUCT DESCRIPTION

ARM707X-RM is a 100% solids epoxy coating that provides outstanding customer value. 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, low odor formulation makes it ideal for larger indoor application areas.

CHEMICAL AND PHYSICAL ANALYSIS

RESIN TYPE	EPOXY AMINE
WEIGHT PER GALLON	8.5-10.8 LBS
WEIGHT PER LITER	1.0-1.3 KG
SOLIDS BY WEIGHT	100%
SOLIDS BY VOLUME	100%
VOLATILE ORGANIC COMPOUNDS*	<10 G/L
RECOMMENDED THICKNESS	8-12 MILS
PRACTICAL COVERAGE	115-170 SQ.FT/GAL COVERAGE WILL VARY BASED ON APPLICATION METHOD.
MIXING RATIO	2 PARTS A : 1 PART B
POT LIFE	15-20 MINUTES VARIES DEPENDING ON TEMPERATURE
RE-COAT WINDOW (MIN/MAX)	12 HOURS/24 HOURS
CURE SCHEDULE (@ 77°F & 50% RH)	
DRY TO TOUCH	4-6 HOURS
VEHICLE TRAFFIC	48-72 HOURS CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY.
FULL CURE**	7 DAYS
SHELF LIFE	5 YEARS
FLASH POINT	>200°F (93°C)
COMPRESSIVE STRENGTH (PSI), ASTM C695	7500 @24 HOURS / 9800 @7 DAYS
TENSILE STRENGTH (PSI), ASTM D412	6500
BOND STRENGTH TO CONCRETE (PSI), ASTM D4541	- >600
TABER ABRASION, ASTM D4060 (CS17 LOSS/1000 CYCLES)	- = 36 MG
FLAMMABILITY, ASTM D635	SELF-EXTINGUISHING
WATER ABSORPTION (24 HOURS), ASTM D570	- <0.5%
KONIG HARDNESS, ASTM D4366	120
TENSILE ELONGATION, ASTM D638	20-30%
MONOLITHIC SURFACING, ASTM C722	- PASS
IMPACT RESISTANCE, ASTM D2794	PASS

*EPA Method 24 Floor Category

**Coating achieves its full physical and chemical resistant properties.

Calculated values are shown and may vary from the actual manufactured material.

ADVANTAGES

Versatile - Direct to Concrete // Low odor - 100% solids // Tenacious adhesion // Chemical resistant // Compliant nationwide with near zero VOC

COMPOSITION

100% Solids Epoxy Coating

PACKAGING

Sold in 1.5 Gal, 3 Gal, and 15 Gal Kits consisting of Part A and Part B.

COLOR

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

KEY FEATURES



**Super
Durable**



**100% Solids
Low Odor**



**Roll On & Squeegee
Application**



**Chemical
Resistance**



**Safe To Apply
Indoors**

RESTRICTIONS

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

INSTRUCTIONS

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

PRODUCT PREPARATION

NEW CONCRETE: Laitance must be removed by diamond for a minimum of 28 days. The concrete must be structurally sound, dry, and free of grease, oils, dust, curing compounds and other coatings or contaminants. Surface laitance must be removed. Rising moisture vapor emission rate must not exceed 3 lb. per 1000 sq. ft. over a 24 hour period as measured by calcium chloride test method ASTM F-1869. The preferred method of surface preparation is muriatic acid etching or to mechanically abrade the floor by diamond grinding to achieve a final 80-120 grit finish, reference profile CSP-2 according to ICRI. If patching is required, use Fortification Formula concrete repair.

PREVIOUSLY COATED: Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding or sweep blasting to create a surface profile. ARM707X-RM 100% Solids Epoxy Coating is compatible with most coatings, but a test patch is suggested.

NOTE: Concrete must be visibly dry at time of application.

MIXING EQUIPMENT

Low speed drill and spiral mixing wand. Must pre-mix prior to use.

Important: Hand mixing will produce inconsistent results and is not an approved method.

Note: 1.5 & 3 gallon kits are packaged in an All-In-One packaging. Both A and B components are shipped together inside an outer pail that can be used for combining both components at the application site. For best results use narrow spiral paint mixer to premix individual components within the 1.5 and 3 gallon kits.

MIXING

Note: Before starting, ensure that the material, concrete surface, and the ambient air are all at 50-90°F. Mixing ratio is 2 parts by volume of Part A to 1 part by volume of part B.

Pre-mix both A and B sides prior to combining.

Add part "A" to the mixing container.

Add part "B" to the mixing container and mix for 3 minutes.

APPLICATION EQUIPMENT

12" or larger notched or flat squeegee

3", 9", 18" short nap lint free roller (1/4" or 3/8" roller)

APPLICATION

Mix only what you can squeegee and back roll **within 15-20 minutes** (approximately 1 gallon of mixed material per crew of two applicators wearing spiked shoes). Do not aerate the mix.

Before starting, ensure that the material, concrete surface, and the ambient air are all at 50-90°F. Do not apply in direct sunlight or when temperature is rising. Wearing spiked shoes, immediately pour mixed ARM707X-RM 100% Solids Epoxy Coating on the floor in ribbons. Spread using a squeegee and then back roll using a short nap lint-free roller. If priming is required, ARM707X-RM 100% Solids Epoxy Coating can be thinned up to 10% by volume with xylene and squeegeed tight to help fill small voids. Refer to recoat window below for best practice when abrading and/or applying subsequent coats.

CLEAN UP

Clean Tools and application equipment immediately after use with active solvent like xylene (in SCAQMD use acetone only). Clean spills or drips while still wet with solvent. Dried product will require mechanical abrasion for removal.

LIMITATIONS

Do not apply if water or ice is present. Lower temperatures will slow cure time. Do not store ARM707X-RM 100% Solids Epoxy Coating at temperatures below 50°F or above 95°F. Do not apply to slabs on grade unless a heavy uninterrupted vapor barrier has been installed under the slab. Do not apply ARM707X-RM 100% Solids Epoxy Coating if the floor is subject to moisture vapor drive or hydrostatic pressure. ARM707X-RM 100% Solids Epoxy Coating will yellow upon prolonged exposure to sunlight or high intensity artificial lights.

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.