

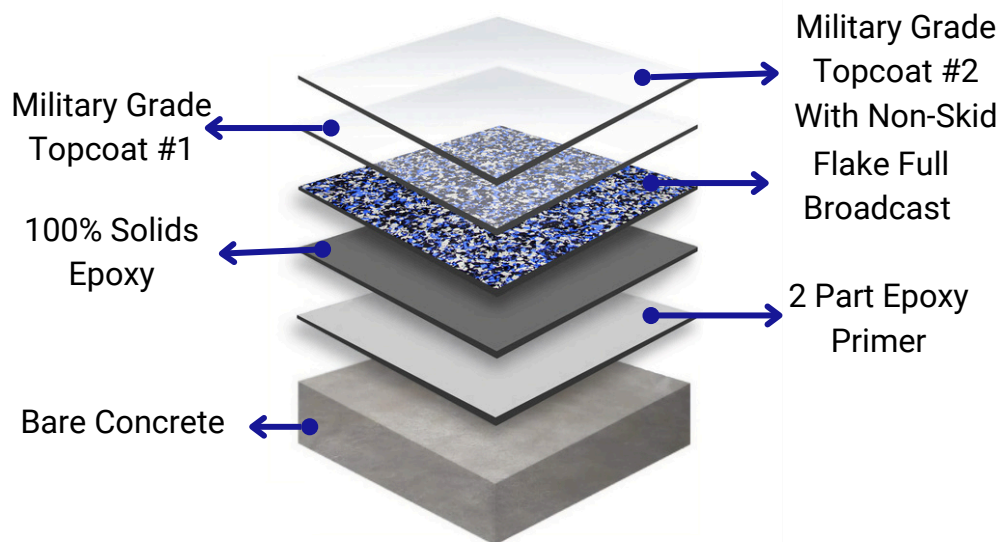
# TDS

## ArmorPoxy Full Broadcast Flake System



### TDS Information

- **ArmorPoxy II 2-Part Epoxy Primer**
- **100% Solids Epoxy Part A & Part B**
- **2-Part Military Topcoat**



[www.armorpoxy.com](http://www.armorpoxy.com)

860 Springfield Rd  
Union, NJ 07083

# ARM144X

## ARMORPOXY II - STD VOC PRIMER

### PRODUCT DESCRIPTION

ARM144X is a two component solvent based epoxy coating that exhibits excellent characteristics for abrasion resistance, chemical resistance, and substrate penetration. This product is suitable as a primer for high build coatings and urethane or as a stand-alone coating.

**RECOMMENDED FOR:** priming or coating concrete, wood or masonry. This product can be used as a standalone coating, as a primer for additional epoxy layers, and to assist with moisture blocking for epoxy systems. Can withstand exposure to many common solvents and chemicals.

### SPECS

SOLIDS BY WEIGHT	Mixed = 65% (+, - 2%)
SOLIDS BY VOLUME	Mixed = 52% (+, - 2%)
RECOMMENDED FILM THICKNESS	5-6 mils per coat wet thickness (yields 3 mils dry)
PACKAGING INFORMATION	2 gallon and 10 gallon kits
MIX RATIO	1 part A to 1 part B by volume
SHELF LIFE	1 year in unopened containers
FINISH CHARACTERISTICS	Satin gloss (30-60 at 60 degrees @ glossmeter)
IMPACT RESISTANCE	Gardner Impact, direct= 50 in. lb. (passed)
FLEXIBILITY	No cracks on a 1/8" mandrel
ADHESION	375 psi @ elcometer (Concrete failure, no delamination)
VISCOSITY	Mixed = 300-500 cps (typical)
VOLATILE ORGANIC CONTENT	Part A= 3.43 pounds per gallon/Part B= 3.75 pounds per gallon VOC mixed < 427 g/l
ABRASION RESISTANCE	Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 30.2 mg loss
DOT CLASSIFICATIONS	Part A "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII" Part B "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"

### COVERAGE

PER GALLON	267 to 320 square feet @ 5-6 mils wet thickness
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### COLORS

White, off white, light gray, medium gray, tile red, and beige

### CURE SCHEDULE

POT LIFE (2 gal volume)	3-5 hours
TACK FREE (Dry to touch)	2-4 hours
RECOAT OR TOPCOAT	4-6 hours
LIGHT FOOT TRAFFIC	16-24 hours
FULL CURE (heavy traffic)	2-7 days
APPLICATION TEMPERATURE	40-90°F

### PRIMERS

None required

### TOPCOAT

Optional, Many products are suitable as topcoats including multiple coats of this product. For added chemical resistance, color stability or UV stability, topcoat with a suitable aliphatic urethane

### CHEMICAL RESISTANCE

Acetic Acid 5%	A
Xylene	B
MEK	A
Gasoline	B
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D
10% Sulfuric	C
10% Hydrochloric Acid	C
20% Nitric Acid	A
Ethylene Glycol	C

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



Extended  
Pot Life



Multiple  
Colors



Super  
Durable



Easy to  
Install



Roll On  
Application

### LIMITATIONS

Colors or gloss may be affected by high humidity, low temperatures, chemical exposure, UV exposure or lighting such as sodium vapor lights. Product is not UV color stable For best results use a 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 Product color will vary from batch to batch Physical properties are typical and not specifications Light or bright colors (white, safety yellow, etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate See reverse side for application instructions. See reverse side for limitations of our liability and warranty.

PRIMER

High Performance Epoxy



## 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 <small>COVERAGE WILL VARY BASED ON APPLICATION METHOD.</small>
MIXING RATIO	2 PARTS A : 1 PART B
POT LIFE	15-20 MINUTES <small>VARIES DEPENDING ON TEMPERATURE</small>
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 <small>CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY.</small>
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.

# ARM321X-332

## ARMORULTRA MILITARY GRADE TOPCOAT



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P: 888-755-7361

### PRODUCT DESCRIPTION

ARM321X-332 Is a two component polyurethane floor sealer that exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering and UV stability.

**RECOMMENDED FOR:** Recommended for garages, auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, exterior tanks, indoor or outdoor service and chemical exposure areas.

### SPECS

SOLIDS BY WEIGHT	60%
SOLIDS BY VOLUME	55%
VOLATILE ORGANIC CONTENT	Less than 389 g/l
RECOMMENDED FILM THICKNESS	3-5 mils per coat wet thickness (yields 2-3 mils dry)
PACKAGING INFORMATION	3/4 Gallon and 1.5 Gal
MIX RATIO	2 Parts A to 1 Part B by volume
SHELF LIFE	1 year
FINISH CHARACTERISTICS	High gloss (>80 at 60 degrees @ glossmeter)
IMPACT RESISTANCE	Gardner Impact, direct & reverse = 160 in. lb. (passed)
FLEXIBILITY	No cracks on a 1/8" mandrel
ADHESION	360 psi @ elcometer (concrete failure, no delamination)
VISCOSITY	Mixed = 200-400 cps (typical, most colors)
HARDNESS	Shore D = 72
DOT CLASSIFICATIONS	Part A "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII" Part B "FLAMMABLE LIQUID N.O.S., 3, UN1993, PGIII"
ABRASION RESISTANCE	Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 20.0 mg loss

### COVERAGE

PER GALLON	320 to 500 square feet @ 3-5 mils wet thickness
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### COLORS

Clear
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### CURE SCHEDULE

POT LIFE (1.5 gal volume)	2 hours
TACK FREE (Dry to touch)	4 hours
RECOAT OR TOPCOAT	12-24 hours
LIGHT FOOT TRAFFIC	14-24 hours
FULL CURE (heavy traffic)	3-5 days
APPLICATION TEMPERATURE	50-100 degrees F with relative humidity below 90%

### PRIMERS

Recommend ARM015X OR ARM144X, ARM013X,ARM144-211X
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### TOPCOAT

None recommended
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### CHEMICAL RESISTANCE

Acetic Acid 5%	C
Xylene	E
MEK	B
Methyl Alcohol	B
Gasoline	D
10% Sodium Hydroxide	E
50% Sodium Hydroxide	D
10% Sulfuric	D
10% Hydrochloric Acid	D
20% Nitric Acid	C
Ethylene Glycol	D

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



Chemical Resistance



Antimicrobial Technology



Super Durable



Weather Resistant



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. Tire contact may cause staining and discoloration. See reverse side for application instructions. See reverse side for limitations of our liability and warranty.