

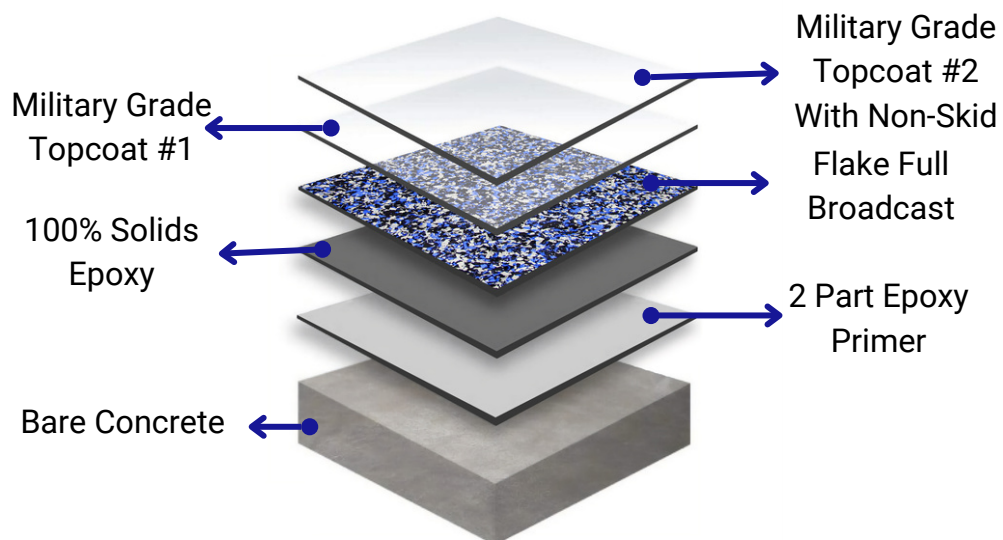
TDS

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

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Plainfield, NJ 07062

11.23-V1

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.

ARM707X-CM

100% SOLIDS EPOXY COATING

PRODUCT DESCRIPTION

ARM707X-CM is a 100% solids epoxy coating that is solvent-less. 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.

CHEMICAL AND PHYSICAL ANALYSIS

SHELF LIFE	12 MONTHS
MIX RATIO	2 PARTS A TO 1 PART B
POT LIFE	40-50 MINUTES @ 77°F
SOLIDS BY WEIGHT	100%
SOLIDS BY VOLUME	100%
PACKAGING	3 GAL KITS. 2 GAL A, 1 GAL B
COLORS	MEDIUM GRAY, LIGHT GRAY
RECOMMENDED THICKNESS	6-12 MILS
COVERAGE	200 SF PER GALLON @ 6 MILS THICK 100 SF PER GALLON @ 12 MILS THICK
-	-
CURE SCHEDULE	-
FOOT TRAFFIC	16 TO 30 HOURS
LIGHT TRAFFIC	2-5 DAYS
FULL CURE	5-10 DAYS
BOARD RESISTANCE (PSI) ASTM D4541	> 300 (SUBSTRATE RUPTURES)
PERMEABILITY (%), ASTM D570	0.3%
HARDNESS (SHORE D), ASTM D2240	85-90
ABRASIVE RESISTANCE, ASTM D4060 (CS17/100 CYCLES/1000G)	0.10G
VISCOSITY @ 77°F	1200-1400
TRACTION RESISTANCE (PSI), ASTM D638	6500
COMPRESSIVE STRENGTH (PSI MPA), ASTM D6595	14000
ELONGATION % ASTM D638	6.7
RECOAT WINDOW	-
@ 50 °F	30 HOURS - 72 HOURS
@ 68 °F	24 HOURS - 48 HOURS
@ 90 °F	16 HOURS - 24 HOURS

CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY

ADVANTAGES

Dense surface resistant to bacteria and moisture and easy to clean // May apply several layers on itself with excellent adhesion // Low odor product allowing for interior application without harmful odors.

COMPOSITION

100% solids epoxy coating

PACKAGING

Sold in 3 Gal Kits consisting of 2 Gal of Pre-Tinted part A and 1 Gal of Part B

COLOR

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



Super Durable



100% Solids Epoxy



Roll On Application



Chemical Resistance



Safe To Apply Indoors

RESTRICTIONS

Minimum/Maximum temperature of substrate: 50°F/86°F

Maximum relative humidity during application and curing: 85 %

Substrate temperature must be (5.5 ° F) above dew point measured.

Humidity content of substrate must be <4% when coating is applied.

Do not apply on porous surfaces where a transfer of humidity may occur during application.

Avoid exterior use on substrates at ground level.

Protect from humidity, condensation and contact with water during the 24-hour initial curing period

Surface may discolor in areas exposed to regular ultraviolet light

ARM321X-332

ARMORULTRA MILITARY GRADE TOPCOAT

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

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

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.