

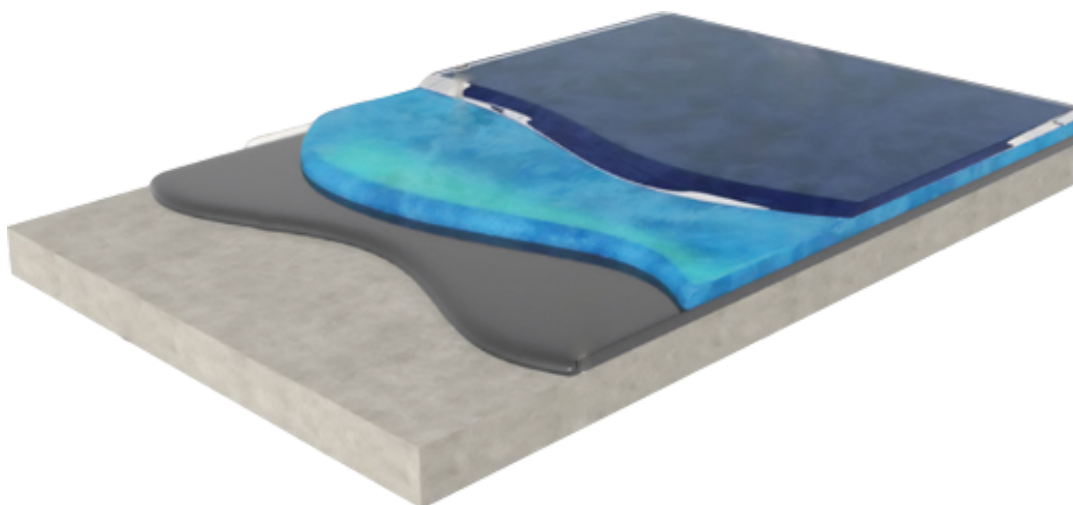
TDS

ArmorTalic Metallic Epoxy Floor System



TDS Information

- **ArmorPoxy II 2-Part Epoxy Primer**
- **100% Solids Epoxy Part A & Part B**
- **ArmorUltra 1-Part Military Topcoat**



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ARM015X

ARMORULTRA PRIMER

PRODUCT DESCRIPTION

ARM015X is a two component water based epoxy coating that exhibits excellent characteristics that rival solvent based products. ARM015X has superb chemical resistance, abrasion resistance, and substrate penetration.

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 = 53% (colors); 45% (clear); (+, - 2%)
SOLIDS BY VOLUME	Mixed = 41% (colors); 36% (clear); (+, - 2%)
DOT CLASSIFICATIONS	Not regulated
RECOMMENDED FILM THICKNESS	5 -7 mils per coat wet thickness (yields 2-3 mils dry)
PACKAGING INFORMATION	2 gallon and 5 gallon kits (volume approx.)
MIX RATIO	4 Parts A to 1 Pat B
SHELF LIFE	1 year in unopened containers
FINISH CHARACTERISTICS	Satin gloss (40-80 at 60 degrees @ glossmeter)
IMPACT RESISTANCE	Gardner Impact, direct = 50 in.lb. (passed)
FLEXIBILITY	No cracks on a 1/8" mandrel
ADHESION	425 psi @ elcometer (concrete failure, no delamination)
VISCOSITY	Mixed = 900-1200 cps (colors); 400-900 cps (clear) (typical)
VOLATILE ORGANIC CONTENT	Colors = 1.01 pounds per gallon (mixed) (regulatory VOC = 175g/l) Clear = 1.0 pounds per gallon (mixed) (regulatory VOC = 230g/l)
ABRASION RESISTANCE	Taber adrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 54 mg loss

CHEMICAL RESISTANCE

Acetic Acid 5%	B
Xylene	B
MEK	A
Gasoline	B
10% Sodium Hydroxide	C
50% Sodium Hydroxide	B
10% Sulfuric	B
10% Hydrochloric Acid	B
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.

COVERAGE

PER GALLON	229 to 320 square feet @ 5-7 mils wet thickness
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COLORS

Off white, light gray, medium gray, tile red, beige, and amber clear. NOTE: The clear (gardner 11) is not water clear and is not suitable for topcoating over previously color coated floors. The clear is suitable as a primer or concrete sealer only.

CURE SCHEDULE

POT LIFE (1 gal volume)	1-1.5 hours
TACK FREE (Dry to touch)	5-8 hours
RECOAT OR TOPCOAT	7-10 hours
LIGHT FOOT TRAFFIC	16-24 hours
FULL CURE (heavy traffic)	2-7 days
APPLICATION TEMPERATURE	55-90 degrees F with relative humidity below 75%

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, use with build coat ARM707X and/or topcoat such as ARM321X

FEATURES



LIMITATIONS

Color or gloss may be affected by humidity, low temperatures, chemical exposure or sodium vapor lighting. Product will yellow in the presence of UV light. For best results use a 1/4" or 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. Use only product from the same batch for an entire job. Improper mixing or too thick of an application may result in product failure. Light or bright colors (white, safety colors etc.) may require multiple coats or a topcoat to achieve a satisfactory hide, depending on the substrate. Physical properties listed on this technical data sheet are typical values and not specifications. See reverse side for limitations of our liability and warranty. See reverse side for application instructions.

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
WORKING TIME	20-30 MINUTES
POT LIFE	30 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 <small>CURE SCHEDULE TIMES ARE APPROXIMATE AND WILL BE AFFECTED BY TEMPERATURE CONDITIONS AND RELATIVE HUMIDITY.</small>
VEHICLE TRAFFIC	48-72 HOURS
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.



ARM356X

ARMORULTRA HIGH PERFORMANCE MILITARY GRADE 1 PART TOPCOAT

PRODUCT DESCRIPTION

ARM356X is a one component moisture cured polyurethane (HDI based) floor coating/sealer that exhibits superior characteristics for abrasion resistance and chemical resistance. This product has good UV stability.

RECOMMENDED FOR: Recommended for showrooms, garage floors, warehouses, laboratories, cafeterias, and most indoor chemical exposure areas with regard to concrete or cement.

SPECS

SOLIDS BY WEIGHT	65% (+/- 3%)
SOLIDS BY VOLUME	60% (+/- 3%)
VOLATILE ORGANIC CONTENT	Less than 329 g/l
RECOMMENDED FILM THICKNESS	3-5 mils per coat wet thickness
PACKAGING INFORMATION	1 gallon, 5 gallon and 55 gallon containers
MIX RATIO	One component product
SHELF LIFE	3 months in unopened containers
FINISH CHARACTERISTICS	High gloss >70 at 60 degrees
IMPACT RESISTANCE	Gardner Impact, direct & reverse= 100 in. lb. (passed)
FLEXIBILITY	No cracks on a 1/8" mandrel
VISCOSITY	Less than 200 cps (typical)
HARDNESS	2H
DOT CLASSIFICATION	"FLAMMABLE LIQUID N.O.S, 3, UN1993, PGIII"
ADHESION	360 psi @ elcometer (concrete failure, no delamination) (applied over ARM154X clear primer)
ABRASION RESISTANCE	Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 4.4 mg loss

COVERAGE

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

Clear (gardner 1)

CURE SCHEDULE

POT LIFE (1 gal volume)	3-5 hours
TACK FREE (Dry to touch)	4-7 hours
RECOAT OR TOPCOAT	9-13 hours
LIGHT FOOT TRAFFIC	13-24 hours
FULL CURE (heavy traffic)	3-5 days
APPLICATION TEMPERATURE	50-90 degrees F with relative humidity between 60% and 90%

PRIMERS

Recommended ARM154X CLEAR

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



LIMITATIONS

Clarity, gloss or color may be affected by high humidity, low temperatures, chemical exposure, tire contact 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. Use a suitable primer if recoating after 24 hours, then the surface must be deglossed before the application. Surface irregularities are possible over smooth basecoats and re-coats. Contact your sales associate for recommendations. The concrete and joints must be thoroughly dry prior to application. Applying the product thicker than recommended may result in product failure. Applications in direct sunlight, high humidity or high temperatures may cause surface curing before suitable air release has occurred. Physical properties are typical values and not specifications. See reverse side for application instructions. See reverse side for limitations of our liability and warranty.

TOPCOAT

One Part Urethane