

ARM015VX

VERTICAL EPOXY PRIMER

PRODUCT DESCRIPTION

ARM015V is a two component water based epoxy coating that exhibits chemical resistance and abrasion resistance rivaling solvent based products. ARM015V was specifically designed for vertical applications up to 8 mils per coat without sagging.

RECOMMENDED FOR: Recommended for priming or coating concrete, wood or masonry.

SPECS

SOLIDS BY WEIGHT	Mixed = 60% (+, - 2%)
SOLIDS BY VOLUME	Mixed = 46% (+, - 2%)
RECOMMENDED FILM THICKNESS	6-8 mils per coat wet thickness (yields 3-4 mils dry)
VOLATILE ORGANIC CONTENT	Mixed VOC = 0.70 pounds per gallon (regulatory VOC = 135g/l)
MIX RATIO	0.75 gallons part A per 0.22 gallons part B by
SHELF LIFE	1 year in unopened containers
FINISH CHARACTERISTICS	Low satin gloss (5-15 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 = 1,500-2,500 cps (typical)
DOT CLASSIFICATIONS	Not regulated
ABRASION RESISTANCE	Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 56 mg loss
MIX RATIO	0.75 gallons part A per 0.22 gallons part B by volume (8.0 pounds part A per 1.90 pounds part B by weight)
PACKAGING INFORMATION	2 gallon kit = 19.8 pounds net (ie 1.94 gallons total volume). A two gallon kit consists of two pre-measured part A's in gallon cans and two pre-measured part B's in quart cans. Other package sizes are available (volume and weight are approximate)

COVERAGE

PER GALLON	200-267 square feet @ 6-8 mils wet thickness
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COLORS

Off white, light gray, medium gray and tile red.
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CURE SCHEDULE

POT LIFE (2 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

Use as a primer with ARM505VX. Other products may be suitable including multiple coats of this product. Contact ArmorPoxy support for more info.
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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.

FEATURES



Vertical Applications



Multiple Colors



Super Durable



Easy to Install



Roll On Application

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.

ARM505VX

VERTICAL EPOXY BASE COAT

PRODUCT DESCRIPTION

ARM505VX is a two component 100% solids epoxy colored coating designed for applications to vertical surfaces at a high build while resisting sags or slump

RECOMMENDED FOR: Cement or concrete block applications up to 15 mils thick without runs at 70F. Good resistance from sags or runs from 10-20 mils at 70F

SPECS

SOLIDS BY WEIGHT	100% (+/- 1%)
SOLIDS BY VOLUME	100% (+/- 1%)
RECOMMENDED FILM THICKNESS	10-20 mils
VOLATILE ORGANIC CONTENT	Less than 7 g/l
MIX RATIO	8.90 pounds part A to 1.60 pounds part B
SHELF LIFE	1 year in unopened containers
FINISH CHARACTERISTICS	Gloss (72 at 60 degrees @ glossmeter)
FLEXURAL STRENGTH	7,300 psi @ ASTM D790
COMPRESSIVE STRENGTH	10,600 psi @ ASTM D695 - 1/2 "X 1/2" bars
ADHESION	420 psi @ elcometer (concrete failure, no delamination)
VISCOSITY	Mixed = 3000-4000 cps (typical, most colors)
TENSILE STRENGTH	7,300 psi @ ASTM D638
ULTIMATE ELONGATION	3.2%
TENSILE STRENGTH	7,300 psi @ ASTM D638
GARDNER VARIABLE IMPACTOR	3.250 inch pounds direct - passed%
HARDNESS	Shore D = 70-80
PACKAGING INFORMATION	1 gallon kit (8.90# part A to 1.6# part B) (this is a gallon can of part A (not full) plus 1.6# of part B in a quart can (not full). When the part B is transferred to the part A can, the result is one gallon mixed (volumes approximate) Also available in 5 gallon kits
ABRASION RESISTANCE	Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 38 mg loss

COVERAGE

PER GALLON	80-160 square feet per gallon @ 10-20 mils
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COLORS

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

CURE SCHEDULE

POT LIFE (2 gal volume)	45-90 minutes
TACK FREE (Dry to touch)	10-14 hours
RECOAT OR TOPCOAT	14-16 hours
LIGHT FOOT TRAFFIC	16-24 hours
FULL CURE (heavy traffic)	2-7 days
APPLICATION TEMPERATURE	50-90 degrees F with relative humidity below 90%

PRIMERS

Use ARM015VX

TOPCOAT

None normally needed (for increased chemical resistance and increased UV stability use an aliphatic urethane topcoat)

CHEMICAL RESISTANCE

Xylene	B
Trichloroethylene	B
Methanol	A
Ethyl alcohol	C
Skydrol	A
10% sodium hydroxide	E
50% sodium hydroxide	D
10% sulfuric acid	C
70% sulfuric acid	A
10% HC1 (aq)	C
5% acetic acid	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



Vertical Applications



Multiple Colors



Super Durable



Easy to Install



Roll On Application

LIMITATIONS

Color or gloss may be affected by environmental conditions such as high humidity, low temperatures, chemicals or certain types of lighting. *Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job. Apply a suitable primer before using this product when necessary. This product is not UV color stable but has good resistance to color change for an epoxy. A topcoat is optional dependent on the environment. Light or bright colors may require a suitable primer or topcoat to achieve a satisfactory hide. Test sag resistance at job sight as environmental conditions, including type of substrate, humidity or temperature may cause variable results. Substrate temperature must be 5°F above dew point. For best results, apply with a 3/8" nap roller. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty