

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 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 Part 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

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

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



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.