## TECHNICAL DATA SHEET



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# 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

#### COLORS

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

#### **CURE SCHEDULE**

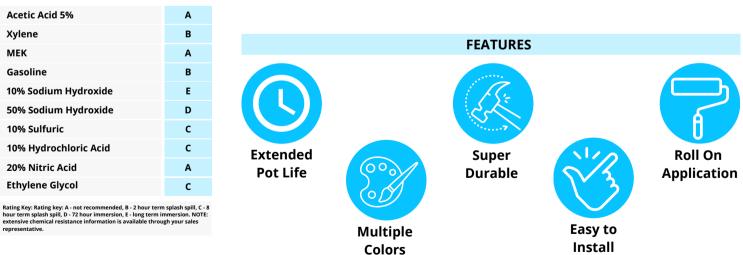
POT LIFE (2 gal volume)	3-5 hours
TACK FREE (Dry to touch)	2-4 hours
RECOAT OR TOPCOAT	4-6 hours
LIGHT FOOT TRAFFIC	16-24 hours
FULL CURE (heavy traffic)	2-7 days
APPLICATION TEMPERATURE	40-90°F

#### 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



#### 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**

## CHEMICAL RESISTANCE