



ARMORROOF LIQUID ROOF COATING

PRODUCT DESCRIPTION: ARM814X is an Elastomeric copolymer liquid rubber coating modified for excellent elongation, tensile strength, UV resistance and exceptional weathering characteristics. This flexible membrane has excellent waterproofing performance and resistance to ozone as well as low temperature flexibility. This product has shown good adhesion to many properly prepared substrates including EPDM.

RECOMMENDED FOR: Most common roof substrates such as wood, metal, EPDM, APP, TPO, and Hypalon

NOT RECOMMENDED FOR: Application over tar based roofing

THIS PRODUCT IS ALSO AVAILABLE INCORPORATING A FRAGRANCE MASK TO DIMINISH THE SOLVENT ODOR (UPON REQUEST)

SOLIDS BY WEIGHT: 60% (+,-3)

SOLIDS BY VOLUME: 52% (+,-3)

RECOMMENDED COVERAGE: Coverage depends on surface conditions and application procedures. Normally, 1 gallon per 100 square feet of a base coat and 1 gallon per 100 square feet of a topcoat combine to achieve the recommended 32 mils wet thickness (16 mils each coat).

COLORS: Topcoat: white. BASECOAT: available in light sky gray or white. Colors may vary from batch to batch due to variations in feed stock material

RECOMMENDED FILM THICKNESS: 16-17 mils total dry film thickness will result from applying the recommended 32 mils wet thickness (applied in two coats)

PACKAGING INFORMATION:

Available in 5 gallon pails and 55 gallon drums (volumes approximate per container)

TYPICAL PROPERTIES: (CURED FILM)		
PROPERTY	TEST METHOD	RESULTS
Hardness	ASTM D2240 shore A @ 75°F 50% R.H. Barcol hardness tester model 3061	50-60
Accelerated weathering	ASTM G53 (1000 hours QUV accelerated weather tester UV-B lamps no. QES-40/280-315 nanometers. (12 hr. QUV @ 60°C and 12 hr. con @ 50°C)	Excellent with no apparent degradation
Tensile strength	ASTM D412 @ 75°F and 50% R.H. Test is result of medium value(for 3)	1000 psi
Elongation	ASTM D412 @ 75°F and 50% R.H.	500% minimum
Thermal Emittance	ASTM E408	0.89 (white)
Solar Reflectance	ASTM E903	82.5 (white)
Water absorption		0.04%
Vapor transmission	ASTM E96	0.025 perms
Cure time	@70% R.H./70°F	24-48 hours

TYPICAL PROPERTIES: (LIQUID FORM)		
PROPERTY	TEST METHOD	RESULTS
Viscosity @ 75°F, 50% R.H.	BROOKFIELD VISCOMETER (krebs stormer)	5,000-10,000 (142 krebs typical)
Density	ASTM D1475 U.S. standard weight per gallon cup at 75°F and 50% R.H.	Mean= 9.85#/gallon
Particle size	ASTM D1218	<38 microns or hegman 4-5
VOC	EPA Method 24	3.84#/gallon
Heat stability	10 days at 120°F then re-evaluated	Material stability maintained
Shelf life	Closed container at 65°F	One year shelf life
Flash point	ASTM D3278 seta flash closed cup apparatus	105°F

**UNDERWRITERS LABORATORIES, INC.,
TESTED AND CERTIFIED FOR CLASS A
U.L. CERTIFICATION TESTING
DATA AVAILABLE UPON REQUEST**

BENEFITS OF USING

- Excellent adhesion to a variety of substrates
- Excellent low temperature flexibility
- Excellent weathering and UV Stability
- Excellent shelf life
- Good resistance to dirt pickup
- Excellent flexibility
- Easy to use one component product
- Meets Federal VOC requirements
- Resists mildew and fungi growth
- Good resistance to Alkalis and acids

LIMITATIONS

Allow material to cure (24 hours) before exposure to rain or dew. Do not apply a second coat until the first coat is dry. Close all sources of air intake from roof into building to prevent solvent odor transfer into building. Do not use indoors. Product cures from solvent evaporation- do not apply thicker than recommended. Too thick of an application can effect insulation boards such as EPS. Read the MSDS before using this product. Product is not resistant to solvent exposure. Physical properties are typical values and not specifications. Please see reverse side for limitations of our liability and warranty. Too thick of an application can effect insulation boards such as EPS.

ROOF

Copolymer Roof Coating