

Energy Seal Coatings

Cool Roof Solutions

Acu-Flex:Hydro

Single Component Butyl Elastomeric Coating



DESCRIPTION

Acu-Flex:Hydro is a copolymer butyl rubber elastomeric vapor barrier coating uniquely formulated for protection of metal, aged BUR, wood, concrete, spray polyurethane foam and other substrates. It dries for form a waterproofing membrane that resists cracking and has excellent elongations properties.

USES

Acu-Flex:Hydro has the ability to withstand ponding conditions (standing water beyond 48 hours) in low slope situations*.

FEATURES & BENEFITS

- ✓ Reduces daily expansion and contraction or a roof (thermal cycling)
- ✓ Excellent durability
- ✓ Provides a seamless, flexible waterproofing membrane
- ✓ Resists cracking
- ✓ Expands and contracts to allow for normal thermal cycling
- ✓ Excellent reflective properties which helps to reduce cooling costs
- ✓ Prevents premature aging and leaks on metal roofing
- ✓ Excellent adhesion to various substrates
- ✓ Excellent low temperature flexibility
- ✓ Year round application

PREPARATION

All surfaces to be coated must be clean, dry and free of any oil, grease or dirt. High pressure water washing is recommended. Any existing coating must be checked for good adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned and checked for compatibility.

APPLICATION

Acu-Flex:Hydro is ready to use. Thinning is not required or recommended.

Spray: Airless sprayer. .035 tip @ 3000 psi

Brush: Good quality synthetic bristle brush

Roller: Long nap roller

ACU-FLEX: Hydro

V.O.C.
<515 g./lit.

Energy-seal.com

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Seal It. Conserve It. Protect It.

Charter Member
ENERGY STAR
ROOF PRODUCTS PROGRAM
Money Isn't All You're Saving



Acu-Flex:Hydro

Technical Data

Color:	White
Viscosity:	2000 – 2500 cps @ 25°C / 77°F
Density, lb./gal:	7.0 ± .1
Percent Solids by Volume:	45% ± 1%
Percent Solids by Weight:	40% ± 1%
Flash Point:	68°F
Impact Resistance:	Exceeds 160 in/ lb ASTM D624
Tensile Strength at Max Stress:	1,000 p.s.i. @ 25°C / 77°F ASTM D412
% Elongation at Break:	900% @ 25°C / 77°F
Permeability:	<1.11 g/s*m2*pa ASTM D96
Service Temperature:	-50° - 200°F
Standard Coverage:	2 gallons per 100 sq.ft. min. 14 dry mils
Ponding Water Coverage:	4 gallons per 100 sq.ft. min. 28 dry mils
Min. Surface Application Temp.:	7.2°C / 45°F.
Drying Time estimation:	Dry to touch in 4 hours Recoat in 4 – 10 hours
Shelf Life:	12 months @ 40° - 90°F
Packaging:	5 gallon buckets and 55 gallon drums
Clean Up:	Xylene and/ or Mineral spirits

WARNING: This product contains VM&P Naptha and Xylene. KEEP AWAY FROM OPEN FLAME OR SPARKS. USE ONLY IN WELL VENTILATED AREAS WITH PROPER PROTECTIVE EQUIPMENT. Avoid breathing vapor or spray mist. Approved (MESA/NIOSH) chemical respirator and protective clothing must be worn by applicator and personnel in vicinity of the application for exterior operations. TO ENSURE PROPER PROTECTION, INSPECT FILTERS FREQUENTLY. Provide mechanical exhaust ventilation in enclosed areas. Positive pressure fresh air hose masks are required for interior applications. Only static grounded hoses and equipment are to be used.

ACU-FLEX:HYDRO is not a breathable coating and is not recommended for use over roof surfaces that require a moisture permeable coating. Additionally, extreme ambient and/ or substrate temperatures are to be avoided as blistering may take place.

A ROOF MOISTURE SURVEY MUST BE CONDUCTED TO DETERMINE IF THE SUBSTRATE CONTAINS MOISTURE. IF MOISTURE IS DETECTED PROPER MEASURES MUST BE MADE TO PROPERLY REMOVE THE MOISTURE FROM THE SUBSTRATE PRIOR TO THE APPLICATION OF THIS COATING. TRAPPED MOISTURE CAN CAUSE BLISTERING AND/ OR DELAMINATION OF THIS COATING.

Some separation may occur during shipping and storage, therefore the contents of each container should be thoroughly mixed prior to application. Shelf life for this product is 12 months, unopened, from the date of manufacturer.

*Acu-Flex:Hydro will perform better in ponding water areas than an acrylic elastomeric roof coating, when applied at the prescribed rate. Ponding water on a roof indicates a certain degree of roof failure. Contractor must make every attempt to eliminate all ponding water areas on a roof prior to the application of our coatings. Advanced Coatings Systems does not offer a warranty for ponding water, roof failure.

CAUTION: Do not apply within two hours of sunset, rain, fog or freezing temperatures. All coatings must be completely dry before exposing to water or foot traffic. Keep all containers covered when not in use. Dispose of all containers in accordance with state and local environmental regulations. Keep away from children. If ingested, DO NOT induce vomiting. Call Physician immediately.

Our technical data and suggestions are based on information from laboratory and field testing which we believe to be reliable and correct. However, the accuracy and completeness of said tests are not guaranteed and not to be construed as a warranty, either expressed or implied. Since the use of the material is beyond manufacturer's control, buyer assumes all risk whatsoever as to their use or results obtained. We guarantee our products conform to Advanced Coating Systems, Inc. quality control. Advanced Coating Systems, Inc. warrants only the standard quality of material. Advanced Coating Systems, Inc. sole responsibility shall be to replace that portion of our product, which proved to be defective. Installer is responsible to test adhesion and product compatibility with substrate of all Energy Seal Coatings products prior to application.