

### 1. Product Name

Acrymax® AF-130HV  
Elastomeric Acrylic Roof Coating

### 2. Manufacturer

Acrymax Technologies Inc.  
221 Brooke St.  
Media, PA 19063  
610-566-7470  
610-891-0834 Fax  
[www.acrymax.com](http://www.acrymax.com)

### 3. Product Description

#### Basic Use

A superior quality 100% acrylic elastomeric coating formulated for superior weatherability and durability. Exhibits outstanding UV resistance and elongation. Used as protective coating or as component of reinforced membrane systems. It is the high viscosity version of AF130. Fibrated with Kevlar® Fiber for additional strength.

#### Features

- Excellent adhesion
- UV Resistant
- Mildew resistant
- Provides barrier to ultraviolet light to prevent degradation of underlying substrate
- Reflective white and light colors lower roof surface temperatures which can help reduce cooling costs
- Excellent dirt pick-up resistance
- Environmentally friendly waterborne formulation
- Meets all VOC requirements

#### Sizes

Container sizes are typically 1 and 5 gallon pails and 55-gallon drums.

#### Colors

AF-130HV is available in white, aluminum gray, and other

standard Acrymax colors (*see Acrymax color chart*), Custom colors are available by special order.

#### Limitations

Successful coating applications require proper selection of coating system for specific application. Comply with manufacturer's recommendations. Adequate and thorough surface preparation is required. Elasto-

meric coating systems are designed for application to smooth surfaces. Do not apply when rain, fog, or freezing temperatures are possible within 24 hours after application or when temperature can fall below the dew point before coating can dry. Acrymax coatings should only be applied to sound and properly prepared surfaces and

## 4. TECHNICAL DATA

### Typical Properties (Liquid Coating)

Weight per Gallon	12.1 +/- .3 lbs.	ASTM D1475
% Solids by Weight	66.9 +/- 2	ASTM D2369
% Solids by Volume	50.8 +/- 2	ASTM D2697
Pigment volume concentration	~ 43.0%	
Viscosity	105- 130 kU	ASTM D562
V.O.C.	< 50 g/l	ASTM D3960
pH	8.8 – 9.3	ASTM E70
Flash point	N/A	

### Typical Physical Properties ( 20 mil Cured film)

Low temperature flexibility	Passes 1/8" mandrel bend @ -15°	ASTM D522
Elongation at max stress	240% @ 74 ° F 80% @ 0 ° F	ASTM D2370
Elongation at break	245% @ 74 ° F 130% @ 0 ° F	ASTM D2370
Tensile Strength at max stress	240 psi @ 74 ° F 700 psi @ 0 ° F	ASTM D2370
Tensile Strength at break	230 psi @ 74 ° F 700 psi @ 0 ° F	ASTM D2370
Recovery after 25% elongation	65%	ASTM D412
Permeability (20 mil film)	<20 perms	ASTM D1653
Accelerated Weathering	1000 hours No cracking or checking	ASTM G154
Approvals	Consult manufacturer for information on approvals of various products by industry agencies or other entities.	

should not be applied over wet insulation.

## 5. Installation

**Preparation:** All surfaces must be clean and free of dirt, dust, oil, and other contaminants that can interfere with adhesion. Power washing is recommended to insure a clean surface. Primers should be used as appropriate for the surface to be coated. Consult appropriate system specification or Acrymax for information regarding priming. Priming is not a substitute for proper cleaning.

**Application:** Acrymax AF-130HV can be applied by brush, roller, or spray. Do not thin or dilute. Consult guidelines for specific type of application or substrate to be coated for detailed preparation, application, and coverage information.

**Coverage:** Acrymax AF-130HV should be applied at the minimum rate of 1 to 1.5 gallons per 100 square feet per coat to provide a uniform, pinhole free, and continuous membrane over entire surface. Two coats minimum. If applied over AF-130BC then minimum of one coat required. Material requirements will vary depending on surface condition, service conditions, and the warranty requirements of the specific job. It is suggested that a minimum of 10% be added to calculated material requirements to account for overspray or applicator error to provide for complete and adequate coverage.

Acrymax elastomeric coating systems should be applied to achieve a minimum dry film thickness (dft) of 15 mils. At minimum application rates the elastomeric system will provide a reflective and or protective coating. For waterproofing applications the applied dry film thickness of the coating should be

30 mils or more. Polyester reinforcement fabric should be used if necessary. When reinforcement is used minimum membrane thickness should be 40-45 mils. See specific system application guidelines or consult Acrymax for detailed information and material requirements.

**Drying Time:** Drying time depends on temperature, direct sunlight, air movement, relative humidity, dew point, etc. and can vary considerably. Allow minimum of 2 hours between coats. Do not apply at temperatures below 45°F or when rain, fog, or freezing temperatures are possible within 24 hours after application. It is the responsibility of the applicator or foreman on the job to determine if present and forecast weather conditions are acceptable for application of waterborne coatings.

**Clean-up:** Clean up with soap and water before coating dries. Waterborne coatings will not redissolve after drying, so pumps and other application equipment must be cleaned immediately following use and before coating dries.

## 6. Availability and Cost

Acrymax coatings are available from Acrymax and through select distributors throughout the United States.

Cost information may be obtained from through the manufacturer at the number listed in section 2.

## 7. Warranty

**Limited Material Warranty:** Since Acrymax does not control the application of its products, or the condition of the surfaces to which they are applied; Acrymax's liability will under no circumstances exceed replacement of the product proven defective. Acrymax limited material warranty is available when all materials are used in strict accordance with all

of Acrymax's requirements and recommendations. Acrymax's sole responsibility under this limited material warranty is for defective material and Acrymax's only obligation shall be to either replace, or refund the purchase price of, the materials or part thereof proven to be defective. No statement by anyone may supersede this limited material warranty, except when done in writing by Acrymax's Technical Service Office in Media, PA. Specific projects that meet certain requirements may qualify for extended or system warranties. Consult Acrymax for complete warranty information.

## 8. Maintenance

Periodic inspections are advised for all projects. An occasional cleaning and/or recoating of surfaces may be required depending on environmental conditions to which material is exposed. Repair as necessary.

## 9. Technical Services

Factory service personnel offer design assistance and technical support. For technical assistance, contact Acrymax.

## 10. Disclaimer

The technical data and suggestions for use contained in this document and Acrymax published product information are believed to be true and accurate as of the date of issuance. The statements contained in these product information publications do not constitute a warranty, expressed or implied, as to the performance of these products. All technical information is subject to change without notice.

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Read and comply with Safety Data Sheet