

1. Product Name

Acrymax AF-5500
Fluoropolymer Coating

2. Manufacturer

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3. Product Description

Basic Use

AF-5500 is an innovative coating based on fluoropolymer technology. The primary use for AF-5500 is as a protective and architectural coating over metal roofs. It provides excellent adhesion to metal roofs with factory applied fluoropolymer (PVDF) finishes. It can also be used over Acrymax elastomeric coatings and systems as a thin film finish coat for improved durability, reflectivity, color retention, and increased dirt pick-up resistance.

Features

- Superior Dirt Pick-up Resistance
- Superior weatherability
- Excellent Color Retention
- Excellent adhesion
- UV Resistant
- Mildew resistant

Sizes

Container sizes are typically 1 and 5 gallon pails.

Colors

White and Standard Colors.
Custom colors available.

Limitations

Successful coating applications require proper selection of coating system for specific project. Comply with manufacturer's recommendations. Adequate and thorough surface preparation is required. Do not apply when rain, fog, or freezing temperatures are possible within 24 hours after coating application or when temperature can fall below the dew point before coating can dry. AF-5500 should only be applied to sound and properly prepared surfaces.

4. Technical Data

Typical Properties Liquid Coating

Wt. per gallon	10.1
% Solids by volume	43.0 %
VOC	<250 g/L

Typical Properties Cured Coating

Elongation at break	
@74° F	300%
Tensile Strength at break	
@74° F	210 psi

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.

Adhesion: It is highly recommended that an adhesion test be done prior to application of any coating system. Refer to Acrymax technical bulletin about adhesion testing.

Application: Acrymax AF-5500 is best applied by airless spray but can be applied by brush or roller. Do not thin or dilute.

Suggested Spray Equipment

Pump: 1 gallon per minute output and 1,500 psi pressure capability.
Tip Size: A reversible, self-cleaning tip with orifice size of .015" to .021"

Coverage: Acrymax AF-5500 should be applied at the minimum rate of .5 gallon per 100 square feet per coat to provide a uniform, pinhole free, and continuous coating over the entire surface. Two coats minimum. Additional coats may be required. If applied by roller or brush then 3 or more coats may be required to achieve specified dry film thickness. Material requirements will vary depending on surface condition and service conditions. It is suggested that a minimum of 10% be added to area calculated material requirements to account for overspray or application error and to provide for complete and adequate coverage.

For most applications AF-5500 must be applied to achieve a minimum dry film thickness (dft) of 6 mils. When applied as a finish coating over an Acrymax elastomeric coating system it may be possible to apply in only one coat and to reduce the dry film thickness to 3 – 4 mils. Consult Acrymax for detailed information and material requirements for specific project.

Drying Time: Drying time depends on color or applied coating, 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 50°F or when rain, fog, or freezing temperatures

are possible within 24 hours after application. Do not apply during times of extreme heat or when humidity is greater than 90%. The substrate temperature range for application is 50°F – 120°F. 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 coatings.

Caution: Applying coatings under high heat conditions can result in blistering or other heat caused defects in the coating film.

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 directly from Acrymax and through select distributors throughout the United States. Cost information may be obtained from 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 coated surfaces may be required depending on environmental conditions to which coating system 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 Material Safety Data Sheet