



Flexible Coatings ♦ Engineered Solutions

AF-4400

Fluoropolymer Coating

Description

AF-4400 is an innovative hybrid coating that utilizes Kynar Aquatec® resin technology. Formulated with PVDF resins and elastomeric acrylic resins, AF-4400 is engineered to provide a highly durable and weather resistant protective and flexible coating. AF-4400 combines the flexibility of an elastomeric acrylic with the superior durability of a fluoropolymer. AF-4400 is a waterborne coating that is formulated to be field applied.

Colors: AF-4400 is available in standard colors. Custom colors are also available but are subject to minimum order size and additional charges may apply.

Features

- Fluoropolymer technology with strong Carbon-Fluorine Bonds
- UV Resistant
- Mildew Resistant
- Waterborne technology
- Low VOC
- Can be formulated with IR Reflective Pigments

Benefits

- Superior Weatherability
- Excellent Color Retention
- Exceptional Dirt Pick-up Resistance
- Energy Savings
- Waterborne coatings are safer for applicators to apply an much less disruptive to the building occupants where they are used.

Recommended Uses

AF-4400 is formulated for use as a thin film top coating over Acrymax elastomeric coating systems that have been applied over various substrates including metal, concrete, wood, single-ply roof membranes and other building materials. AF-4400 can also be used directly over PC-125 DTM primer. Acrymax also offers customized coating system specifications for unique applications. Consult Acrymax for additional information.

Installation

Preparation: All surfaces to be coated must be clean and free of any contaminants that can compromise adhesion. Corrosion, if present, must be properly treated. Loose coatings must be removed. Any coating that is to be overcoated must be in an acceptable condition for overcoating. SSPC Preparation Standards provide guidance on acceptable preparation of surfaces to be coated.

Priming: No primer is required when AF-4400 is used over Acrymax elastomeric coatings. Metal substrates should be primed with Acrymax PC-125 direct-to-metal primer. Any use of this coating without a primer must be carefully evaluated.

Application: Acrymax AF-4400 is best applied by airless spray. When applied by brush or roller additional coats may be required to achieve required dry film thickness. Do not thin or dilute coating.

Number of Coats: The number of coats is determined by the specific requirements for a particular project. Coatings must be applied in a manner that meets specified dry film requirements and provides a uniform, pinhole free, and continuous coating film. Additional coats are required if specified minimum dry film thickness is not achieved or if defects in the applied coating are observed.

Coverage:

Sq. Ft./Gallon	Wet Mils	DFT Mils
200	8.0	3.1
250	6.4	2.5
300	5.4	2.1

AF-4400 should be applied to achieve an overall dry film thickness (dft) of 2.5 to 5 mils. Material requirements will vary depending on the texture of the surface to be coated.

Drying Time: Drying time will vary depending on temperature, direct sunlight, air movement, relative humidity, dew point, and color of coating. A minimum of 6 hours between coats is recommended.

Application Conditions Apply coatings only under proper conditions. Do not apply coatings until air temperatures and surfaces to be coated reach 55°F. Do not apply when ambient temperature is within 5° of the dewpoint or when rain, fog, or freezing temperatures are possible within 24 hours. Coatings should not be applied in times of extreme heat or other adverse weather conditions.

Technical Data

Wet Coating

Solids by volume (%)	39.2 +/- 2.0	ASTM D-5201
Solids by weight (%)	53.6 +/- 2.0	ASTM D-2369
Density (lbs. / gal.)	11.0 +/- 0.2	ASTM D-1475
Viscosity	90-110 Ku	ASTM D-562
VOC	<50 g/l	

Dry Coating

Dry Film Thickness	2.5 to 5 mils recommended
Colors:	White and standard colors. Custom colors are available. Reflective White will offer the greatest degree of cooling savings; however, other colors may offer cooling savings as well. Contact Acrymax for information regarding "cool" deep-toned colors and infrared reflective properties.
PVDF %	Greater than 25%

Suggested Application Equipment:

Airless Spray: Minimum 1 gallon per minute output and 1,500 psi pressure. Reversible, self-cleaning tip with orifice size of .015" to .021"

Brush or Roller: Premium quality brushes and rollers should be used. ¼" to ½" nap rollers.

Limitations

Successful coatings projects require the *selection of an appropriate coating systems for the intended use*, effective and thorough preparation of the surfaces to be coated, and proper *application* of the coating system. Coatings should only be applied to sound and properly prepared surfaces and under proper conditions. Adhere to all applicable federal, state, or local regulations associated with coatings to be used and any preparation and application methods that will be utilized.

Technical Services

For technical assistance, contact Acrymax at 800-553-0523 or via e-mail info@acrymax.com *Safety Data Sheet*

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 if any 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.

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