

## **AWS-15 INSTALLATION GUIDE**

### **Elastomeric Coating System**

### **Stucco, EIFS, and other Masonry Walls**

#### **1. DESCRIPTION**

The Acrymax AWS-15 System is a 100% acrylic elastomeric coating system designed to provide protection and weatherproofing of stucco, EIFS, and masonry walls. This system exhibits superior weatherability and durability. Acrymax Coatings are waterborne materials that are VOC compliant. The AWS-15 System as specified herein will yield an average dry film thickness of 15 mils. It is possible on some walls to specify a coating system with 12 mils dry film thickness. The AWS-12 system will follow the same procedure as the AWS-15 system but will use less material. It should be noted that a thicker coating system will have a greater ability to bridge cracks in the wall. On some walls it is necessary to specify a coating system with more than 15 mils.

#### **2. MATERIALS**

AF-135	Elastomeric Wall Coating
AF-136	Patching Compound
AF-315	Fibrated Acrylic
AF-100	Masonry Sealer
AF-110	Masonry Sealer

#### **3. APPLICATION EQUIPMENT**

Acrymax AF-135 coatings can be applied by brush, roller, or spray. Spray applications on rough surfaces should be backrolled to insure complete coverage. Spray equipment should be capable of 2500 – 3000 psi with output of 2 - 2.5 gallons per minute. A “Reverse-a-Clean” tip with tip size .027 to .041. Rollers should be medium or long nap. (3/4” recommended)

#### **4. INSTALLATION**

Installation of the AWS-15 System is done in 4 basic steps:

- a. Preparation & Repair
- b. Priming
- c. Application of Elastomeric Coatings
- d. Inspection

##### **(a) Preparation & Repairs**

Acrymax AF-135 coatings must have a clean surface to adhere to. Proper surface preparation is the key to successful applications of all coating systems! All loose dirt, debris, paint, oils etc. must be removed by the most effective method possible. High pressure water washing is the preferred method. Allow to dry thoroughly after washing before applying coatings.

All necessary repairs must be done according to good construction practices. All caulking, patching, crack repair materials, and joint sealants should be installed prior to application of the elastomeric coating.

Crack repair: If the cracks in the masonry are 1/16" wide or larger, they should be repaired. For small to mid-sized cracks, use a 100% acrylic caulk, AF-136 or AF-315. For larger cracks, holes or damaged masonry, use an acrylic modified cementitious masonry patching mortar.

Allow sufficient curing time for all sealants to dry thoroughly before proceeding with elastomeric coating application. At least 24 hours are required.

### **(b) Priming**

Although elastomeric wall coatings are designed to be applied directly over a clean masonry surface, an alkali-resistant primer/sealer is recommended. If primer is to be used, apply AF-100 or AF-110 primer to clean and properly prepared surface. The primer will provide additional protection over highly alkali surfaces and acts as a sealer for porous surfaces and to lock down any residual chalk. Priming is not a substitute for proper cleaning. Primer should be applied in such a manner as to saturate the surface, but to avoid excessive rundown. Apply primer from the top of the wall down. Allow primer to dry tack-free before applying elastomeric wall coatings.

### **(c) Application of Elastomeric Coatings**

This AWS-15 Application Guideline will yield a theoretical dry film thickness of 15 mils. Consideration must be given to overspray and/or applicator inefficiencies and texture of surface to be coated when calculating material requirements.

#### **1st coat**

Apply Acrymax AF-135 Elastomeric Coating at a **minimum** application rate of 1 gallon per 100 square feet

#### **2nd coat**

Apply Acrymax AF-135 Elastomeric Coating at a **minimum** application rate of 1 gallon per 100 square feet in the finish color desired.

\*Rough textured surfaces may require additional material to achieve required dry film thicknesses.

The AWS-15 System provides a 15 mil dry film thickness. This can be done in two coats, however additional coats will be required if minimum thickness is not achieved in two coats.

The AWS-12 System will provide a 12 mil dry film thickness. This is the minimum dry film thickness recommended for elastomeric coatings over masonry surfaces. The application procedure for the AWS-12 system is to apply two coats at the rate of  $\frac{3}{4}$  gallon of AF-135 per 100 square feet per coat.

### **(d) Inspection**

Inspect entire area covered and touch-up deficient areas with additional Acrymax AF-135 as necessary to insure complete and uniform coverage. Special attention should be given to repaired areas, transition areas, and areas around windows or other openings.

## **5. LIMITATIONS**

These are general guidelines for application of the Acrymax AWS-315 System. The material requirements may vary depending on the specific job requirements. If unusual conditions exist, contact Acrymax Technical Service at 610-566-7470. Acrymax coating systems must be applied to structurally sound substrates. All surfaces must be clean and dry before application of coatings. The suitability of Acrymax coatings or systems for an intended use shall be solely up to the user. Drying time and coverage are not guaranteed. Failure of the substrate does not constitute failure of the Acrymax coating or system. Acrymax Coatings should not be applied when rain or freezing temperatures are expected within 24 hours of application.

## **6. WARRANTY**

Acrymax offers limited material warranties for the AWS-15 System when all materials are used in strict accordance with all of Acrymax's written 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. This warranty gives specific legal rights and you may have other legal rights that vary from state to state. No statement by anyone may supersede this limited material warranty, except when done in writing by Acrymax's Technical Service Office in Media, PA.

### **NOTES:**

1. Acrymax coatings are waterborne. Consequently application of these materials must not be done when rain or other conditions such as fog or heavy dew are possible before coating can dry sufficiently to be resistant to these occurrences. Drying time is affected by numerous factors including temperature, direct sunlight,

relative humidity, air movement, thickness and color of applied coating, etc. Under proper conditions dry times for coatings will be from 1 to 2 hours, but under adverse conditions dry times can range from 8-12 hours or more. Application should not be done when temperatures are below 45°F or expected to drop below freezing before coating is dry. Special attention should be given to the dew point temperature because when this temperature is reached and dew forms the drying process of the coatings will cease.

2. Surfaces must always be clean before application of AF-135 Coatings. Care must be taken to insure that extended time intervals after original cleaning do not interfere with any stage of the coating applications. If either condition occurs then cleaning may be required again.
3. Adequate coating thickness is essential to performance. If the applicator is unfamiliar in gauging application rates, we suggest

that a controllable area be measured and the specified material be applied. In all cases all minimum specified material must be applied and proper minimum dry film thickness' must be achieved. Care must be taken to insure that all areas are coated sufficiently to insure a weathertight seal.

4. Consult Acrymax Technologies if any deviations from published specifications are considered. Unapproved deviations from specified application rates may seriously effect the coating system performance, and shall be undertaken at the specifier's, applicator's or building owner's own risk.
5. All work must be done in accordance with all applicable local, state, and federal regulations. If hazardous materials such as lead based paint are encountered all proper precautions must be taken and all proper procedures followed.

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