Liquid Roofing Products

Application Guidelines

System 70
AcryLabs Liquid Applied Roof Membrane - Systems

AcryLabs manufactures the liquid components of the A.L.A.R.M. – *Systems*. These systems are comprised of multiple coats of a high-performance acrylic formulation combined with high performing Fabric Reinforcement. A.L.A.R.M. - System 70 is designed for new construction and existing roofs. The resulting membrane should be 70 dry mils when completed and is totally seamless, fully adhered, self-flashing and highly durable. The membrane is UV resistant and can be renewed, along with the warranty with a single maintenance coat. AcryLabs coatings are waterborne and meet or exceed all V.O.C. regulatory requirements.

Components of System 70	Accessory Items (if required)
• Base Coat	• EPDM Rinse Prep
• Finish Coat	• Brushable Sealant
• Fabric Reinforcement	• Asphalt Emulsion
	• NewClear
	• Fusion-X

Installation:

1.) *Preparation*

AcryLabs coatings are adhesive and require a clean, dry, oil and dust free surface to ensure proper adhesion. Pressure washing with minimum 3500PSI, is the preferred method to remove all oxidation, dirt, and contaminants. Detergents and bleach may be used if needed.

2.) *Repair*

A sound substrate is required for System 70. All repairs should be made following industry guidelines. Materials should not be applied over wet insulation. Cracked, or "Alligatored", roofs can be smoothed with AcryLabs Asphalt Emulsion. Applicator shall be responsible for providing a proper substrate to receive the System 70. Identify areas of ponding water and ensure that the roof surface has positive drainage. Alternative options consist of the use of AcryLabs Fusion-X product.

3.) *Flashings & Penetrations*

All flashings, terminations, penetrations, and any other critical areas deemed necessary should be reinforced using the following guidelines:

A.) Apply a generous coat of Base Coat to the area to be reinforced

B.) Immediately embed appropriate width AcryLabs Fabric Reinforcement into wet coating, removing all wrinkles and fish mouths

C.) Immediately apply a saturation coat of Base Coat. Texture of the fabric should be obscured by this wet coat

For new cover board, plywood, OSB, ISO and other sheet goods, apply 4" Fabric Reinforcement embedded and saturated with AcryLabs Base Coat to all seams between the boards.

4.) *Field Application*

-Set wide roll of Fabric Reinforcement on the roof so that it will run parallel with a straight edge as it is unrolled.

-Apply Base Coat at a minimum rate of 1.25 gallons per 100 square feet in front of the roll of Fabric Reinforcement.

-Immediately roll the Fabric Reinforcement into wet coating, removing all wrinkles making sure the Fabric Reinforcement is tight to the roof.

-Immediately apply a saturation coat of Base Coat to the Fabric Reinforcement at a minimum rate of 1.25 gallons per 100 square feet. Texture of the Fabric should be obscured by this wet coat.

-Continue successive runs of wide Fabric Reinforcement, overlapping by a minimum of 3", to complete the field.

-Allow Base Coat and Fabric Reinforcement application to dry before proceeding with Finish Coating.

-Apply first Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet.

-Apply second Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet.

-Apply third Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet.

-Apply final Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet.

-All Finish Coats are to be applied to the entire roof including flashings and details previously addressed with Base Coat and Fabric Reinforcement. Wet mils will yield approximately 10 DFT, per coat, theoretical coverage rate.

5.) *Inspection*

Inspect roof and apply additional AcryLabs coating as necessary to ensure a final membrane thickness of 70 mils DFT (dry film thickness).

This is a general guideline; minimum material requirements may change based on project specific requirements. Failure of the existing substrate or existing roof structure does not constitute AcryLabs coating or system failure.

6.) *Application*

AcryLabs coatings can be brushed, rolled, or sprayed utilizing airless spray equipment.

7.) *Spray Equipment*

A minimum 3000PSI airless pump is required. Tips range: 321-641

Consult AcryLabs Technical Department for additional information.