Liquid Roofing Products

Application Guidelines

System 40 - Metal

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 40 – Metal is a partially reinforced membrane for metal standing seam roofs. System 40 – Metal is a monolithic, sustainable roof system that will yield a final minimum membrane thickness of 40 mils throughout the field of the roof and 70 mils at the reinforced areas. 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 20 – Metal and Accessory Items (if required)

- Finish Coat
- Brushable Sealant
- Base Coat
- Fabric Reinforcement
- Metal Prep
- 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 cleaners may be used if needed.

2.) *Repair*

A sound substrate is required for System 40 - Metal. All repairs should be made following industry guidelines. Materials should not be applied over rust or corrosion. All rust and corrosion should be addressed following SSPC guidelines and primed with AcryLabs Metal Prep. Applicator shall be responsible for providing a proper substrate to receive the System 40 - Metal. Identify areas of ponding water and ensure that the roof surface has positive drainage. In the case of ponding water corrective action will be made to ensure roof surface has positive drainage. Alternative options consist of the use of AcryLabs Fusion-X product.

3.) *Fasteners*

Make sure all fasteners are properly tightened, and washers are in good condition. Replace missing and stripped fasteners with larger fasteners. Apply a generous amount of AcryLabs Brushable Sealant to fully encapsulate entire fastener and washer to create a water-tight seal.

4.) *Seams*

A.) All horizontal seams to be addressed by installing a minimum of 6" AcryLabs Fabric Reinforcement embedded in AcryLabs Base Coat.

B.) All vertical seams to be addressed with a generous bead of AcryLabs Brushable Sealant then tooled or brushed smooth to fully cover entire seam and joint to create a watertight seal.

5.) *Flashings & Penetrations*

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

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

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

C.) Immediately apply a saturation coat of AcryLabs Base Coat to fully cover fabric edges

6.) *Field Application*

Apply first coat of AcryLabs Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet (80sq.ft./gal.), allow to dry. Apply a second coat of AcryLabs Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet (80sq.ft./gal.), allow to dry. Apply a third coat of AcryLabs Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet (80sq.ft./gal.), allow to dry. Apply a fourth coat of AcryLabs Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet (80sq.ft./gal.). Wet mils will yield approximately 10 DFT, per coat, theoretical coverage rate.

7.) *Inspection*

Inspect roof and apply additional AcryLabs coating as necessary to ensure a minimum final membrane thickness of 40 mils DFT (dry film thickness) throughout the field of the roof and 70 mils at the reinforced areas.

This is a general guideline and 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.

8.) *Application*

AcryLabs coatings can be brush, roll, or spray applied utilizing airless spray equipment.

9.) *Spray Equipment*

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

Consult AcryLabs Technical Department for additional information.