



## Liquid Roofing Products

### Application Guidelines

# ***R-45 Reinforced Roofing System Acrylabs Liquid Applied Roof Membrane - Systems***

Acrylabs manufactures liquid applied roof membrane systems that are comprised of multiple applications of a high-performance acrylic formulation combined with fabric reinforcement. The Acrylabs R-45 system is designed for new construction and existing roofs. The resulting membrane should be a minimum of 45 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.

<u>Components of the R-45 System</u>	<u>Accessory Items of the R-45 System</u>
Base Coat Finish Coat Fabric Reinforcement	EPDM Rinse Prep Brushable Sealant Asphalt Emulsion

## **Installation:**

### **1.) Preparation**

Acrylabs coatings are adhesive and require a clean, dry, oil and dust free surface to ensure proper adhesion. Pressure washing with 3500PSI minimum, 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 the R-45 System. All repairs should be made following industry guidelines. Materials should not be applied over wet insulation. Cracked, or "Alligatorred", roofs can be smoothed with Acrylabs Asphalt Emulsion.

### **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.) Embed appropriate width Acrylabs Fabric Reinforcement into wet coating, removing all wrinkles and fish mouths
- C.) 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 40" 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 40" 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 final Finish Coat to all areas at a minimum rate of 1.25 gallons per 100 square feet.
- Both Finish Coats are to be applied to the entire roof including flashings and details previously addressed with Base Coat and Fabric Reinforcement.

### **5.) Inspection**

Inspect roof and apply additional Acrylabs coating as necessary to ensure a final membrane thickness of 45 mils DFT (dry film thickness).

This is a general guideline; minimum material requirements may change based on project specific requirements. Failure of the substrate 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.

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