



## Liquid Roofing Products

### Architectural Specification

#### SECTION 07.55.56

Deck System For Use Under Tiles and Pavers

20-year System

#### **Acrylabs Liquid Applied Roof Membrane - Systems**

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#### **PART 1 – GENERAL**

##### 1.01 SUMMARY

- A. Supply and installation of an acrylic, liquid applied 45-50 mil, fully reinforced, elastomeric composite membrane topped with a fully reinforced Acrycrete cementitious application. System is designed for use under tiles, pavers, etc. for walking decks, balconies, and patios. Base structural support for these surfaces can be of wood frame and plywood construction, concrete, or other approved substrates.

##### 1.02 QUALITY ASSURANCE

- A. Applicator will have experience in the installation of work similar to that required for this project for a period of 2 years or more and must be approved by manufacturer for this project.
- B. Manufacturer's representative will be present for sample application and at commencement of work to approve site conditions.

##### 1.03 SAMPLE DECK/MOCK-UP

- A. Membrane application to at least one complete deck may be provided for review and approval.
- B. Alterations to the sample will be made as directed and required by project management. Sample deck will be maintained throughout project and used as the standard for subsequent deck applications.

##### 1.04 SUBMITTALS

- A. Submit written certification from applicator and manufacturer that completed work will comply with specified requirements.

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## 1.05 DELIVERY, STORAGE AND HANDLING

- A. Store materials separated from the ground and in a dry location, protected until installation in accordance with Acrylabs instructions.
- B. Handle materials in accordance with Acrylabs recommendations.
- C. Protect materials against freezing. Store materials between 45°F and 95°F.

## 1.06 ENVIRONMENTAL CONDITIONS

- A. It is the responsibility of the applicator to determine if present and forecast weather conditions are acceptable for application of Acrylabs coatings. To qualify for warranty a logbook of project weather conditions during application is to be kept by project foreman.
- B. Do not apply Acrylabs coatings when snow, rain or fog is possible. Do not apply Acrylabs coatings when freezing temperatures are expected within 24 hours after application.

## 1.07 SAFETY REQUIREMENTS

- A. Users should familiarize themselves with appropriate Safety Data Sheets (SDS). SDS must be available at all worksites where materials are being used.
- B. Handle on pails should only be used to hand carry pail and should not be used to hoist pail from ground to work area.
- C. All work shall be performed in conformance with the safety procedures as required and outlined by Occupational Health and Safety (OSHA) with particular attention to fall protection.

# **PART 2 – PRODUCTS**

## 2.01 ACRYLABS LIQUID APPLIED ROOF MEMBRANE SYSTEM

- A. Manufacturer: Acrylabs  
Contact: 101 North Prospect Street  
Reading, PA 19606  
Phone: (866) 273-1355 ext. 0  
E-mail: [customerservice@acrylabs.com](mailto:customerservice@acrylabs.com)  
Website: [acrylabs.com](http://acrylabs.com)

- B. Substitutions: None

## 2.02 MATERIALS

- A. Acrylabs Deck System shall include but not be limited to:
  1. Acrylabs Base Coat
  2. Acrylabs Fabric Reinforcement

B. Acrycrete Reinforced Cementitious System shall include but be limited to:

1. Acrylabs Acrycrete
2. Acrylabs Fabric Reinforcement

## **PART 3 – EXECUTION**

### **3.01 MANUFACTURERS INSTRUCTIONS**

A. Compliance: Comply with Acrylabs product data, recommendations, and installation instructions for substrate verification, preparation requirements, and installation.

### **3.02 EXAMINATION**

A. Examine the substrates, flashing conditions, penetrations, adjoining construction and the conditions under which the work is to be installed. Do not proceed with the work until unsatisfactory conditions have been corrected and substrate is acceptable.

B. Project management shall be responsible for providing a proper substrate to receive the Acrylabs deck system.

C. Verify that substrate is dry and free of oil, grease, dust, rust, or other contaminants.

D. Defects in substrate shall be noted and work shall not proceed until such defects have been corrected.

### **3.03 APPLICATION**

A. Apply Base Coat and Fabric Reinforcement to field of roof:

1. Apply tack coat of Base Coat at approximately 1.25 gallons per 100 sq. ft. Immediately embed Fabric Reinforcement into wet coating. Care must be taken to lay the fabric to the contact surface avoiding wrinkles, fishmouths, etc. Overlap edges and ends of fabric a minimum of 3 inches.
2. Roller or brush shall be used to ensure that the Fabric Reinforcement is fully embedded.
3. After embedding Fabric Reinforcement into wet coating, apply an additional coat of Base Coat, at a minimum rate of 1.25 gallons per 100 sq. ft. completely saturating the Fabric Reinforcement.
4. Completed Base Coat and Fabric Reinforcement thickness should be a minimum of 25 mils (DFT).

B. Apply Acrycrete and Fabric Reinforcement to field of roof:

1. Apply tack coat of Acrycrete at approximately 1.25 gallons per 100 sq. ft. Immediately embed 40-inch-wide Fabric into wet coating. Care must be taken to lay the fabric to avoiding wrinkles, fishmouths, etc. Overlap edges and ends of fabric a minimum of 3 inches.
2. Roof Brush shall be used to ensure that the Fabric is fully embedded.

3. After embedding Fabric into wet coating, apply an additional coat of Acrycrete at a minimum rate of 1.25 gallons per 100 sq. ft. completely saturating the Fabric.
4. Completed Base Acrycrete and Fabric Reinforcement thickness should be a minimum of 25 mils (DFT).
5. Apply final coats of Acrycrete: Apply third coat of Acrycrete to the entire surface previously covered with Fabric Reinforcement and Acrycrete including field of roof, penetrations, and perimeter locations. A minimum of 1.25 gallons of Finish Coat per 100 sq. ft. is required.
6. Apply final coat of Acrycrete: Apply fourth coat of Acrycrete to the entire surface previously coated. A minimum of 1.25 gallons of Finish Coat per 100 sq. ft. is required.

### 3.04 FIELD QUALITY REQUIREMENTS

- A. Verify final film thickness as specified. If specified dry film thickness has not been achieved, application of additional coating will be required.
- B. Visually inspect critical areas of the deck including seams, penetrations and terminations and touch up with additional Acrylabs products to ensure complete and adequate coverage.
- C. Allow Acrycrete to fully cure (five days) before placing or installing tile, pavers or other overburden.

### 3.05 FINAL CLEANING

- A. Except as otherwise provided for, remove temporary protection devices and facilities which were installed during the course of the work.
- B. Remove debris, surplus materials, and trash from project site.

### 3.06 PROTECTION OF COMPLETED MEMBRANE

- A. Protect completed membrane from damage by work of other trades. Schedule sequence of work so that traffic over new membrane is minimized. Institute required procedures for protection of completed membrane during installation of work from other trades throughout remainder of construction period.
- B. At completion of construction activities of other trades, touch-up and restore damaged or defaced coated surfaces. Correct damage by cleaning, repairing, replacing, and/or recoating to make acceptable to the specifier and/or Acrylabs. Leave in an undamaged condition.

END OF SECTION