

OR ACR42

OR ACR42 is a multi-purpose 100% acrylic elastomeric coating for use over a variety of substrates including asphalt, single-ply and metal roofing. EVER-CRYLIC TOP COAT exceeds ASTM D6083 requirements for critical properties such as tensile strength, elongation, wet adhesion and weatherability.

Benefits

1. Seamless Waterproofing
2. Fully-Adhered Installation
3. 100% Acrylic Durability
4. Energy Savings
5. Prolonged Roof Life
6. Reduced Life Cycle Costs
7. Renewable
8. Environmentally Friendly
9. High Solar Reflectivity
10. High Thermal Emittance

Credentials and Certifications

OR ACR42 exceeds all the minimum requirements for ASTM D6083 and is Title 24 Compliant.

Availability and Cost

OR ACR42 is typically sold in 55-gallon drums, however, 5-gallon pails and 250-gallon totes are also available upon request. For more information on packaging, lead times, and pricing please call 800-625-9577.

Suggested Primers

OR 711, OR PR811, OR E41, wet/green concrete OR- T11.

Applications Instructions

OR ACR42 may be applied by spray, brush, or roller. All surfaces must be clean, dry and free of dirt, grease, oil, or other contaminants that would interfere with proper adhesion. Apply OR ACR42 at temperatures above 50°F. Apply only when weather conditions will permit drying before rain, dew or freezing temperatures. Cool temperatures and high humidity may retard cure.

Apply OR ACR42 at a MAXIMUM of 1 ½ gallons per 100 square feet. Base and Intermediate coats shall be back rolled to provide uniform coverage. Back rolling of the finish coat shall be avoided unless the surfaces are unusually rough. If additional coating is required, apply in two or three coats. OR ACR42 should not be applied directly over mineral cap-sheet or to any surfaces where extra "bleed-blocking" resistance may be needed. In such situations, use OR ACR42 as a primer base coat.

Substrate	Warranty	Mils
Metal	10 Year	22 Dry Mils
	15 Year	30 Dry Mils
	20 Year	39 Dry Mils
Modified Bitumen	10 Year	26 Dry Mils
	15 Year	39 Dry Mils

ASTM D6083 TECHNICAL DATA

Single Ply: TPO	10 Year	26 Dry Mils
	15 Year	34 Dry Mils
Single Ply: PVC	10 Year	26 Dry Mils
	15 Year	34 Dry Mils
Single Ply: EPDM	10 Year	26 Dry Mils
	15 Year	34 Dry Mils
Foam	10 Year	30 Dry Mils

PROPERTY & TEST METHOD	REQUIREMENT	VALUE
Initial Tensile Strength (psi)		
ASTM D2370	200 Minimum	200
Initial Elongation (%)		
ASTM D2370	100 Minimum	310
Wet Adhesion (pli)		
ASTM C749, D903	2 Minimum	2
Tear Resistance (lbf / in)		
ASTM D624	> 60	90
Appearance After 1000 - Hr. Accelerated Weathering		
ASTM D4798	No Cracking or Checking	
Elongation After Accelerated Weathering (%)	100 Minimum	175
ASTM D2370		
Permeance (perms)		
ASTM D1653	50 Maximum	6
Water Swelling (%)		
ASTM D471	20 Maximum	10
Fungi Resistance (zero = no growth)	Zero Rating	Zero Rating
ASTM G21		
Volume Solids (%)		
ASTM D2697	> 50	54+/-2
Weight Solids (%)		
ASTM D1644	> 60	69
Viscosity (KU)		
ASTM D562	85 - 141	110

OR ACR42 is intended for application only by professionally trained applicators. Avoid breathing of vapors or spray mist. Care should be taken to exclude all personnel not directly involved with the spray application OR ACR42 should not be applied when the wind is of sufficient velocity to cause overspray of adjacent areas, buildings or people.

Coverage: 80 Sq. Ft. per gallon @ 20 mils

Maintenance

Periodic maintenance of OR ACR42 Roofing Systems ensures extended performance and reduces life cycle costs.

Technical Services

Additional information, such as brochures, technical assistance, roof energy evaluations, life cycle cost analysis, and other roof management services are also available from an Oak Ridge Foam & Coating Systems, Inc. Technical Consultant.

Warranty

Various warranties are available for specific OR ACR42 roofing systems installed by approved applicators.
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Manufacturer of High Performance Foam/Coatings & Application Equipment

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