

# EnduraTech® R (70-012)

## ACRYLIC ELASTOMERIC COATING

### DESCRIPTION:

Enduratech® R (70-012) is a durable 100% acrylic elastomeric coating designed specifically for use over new spray polyurethane foam (SPF) roofing systems, or for recoating existing SPF roofing systems.

### DISTINGUISHING CHARACTERISTICS:

- Superior resistance to ultraviolet degradation
- Excellent adhesion to SPF
- Good low temperature flexibility down to -15°F
- Low toxicity and odor
- Retains high reflectivity because of excellent dirt pickup resistance, reduces substrate temperatures, prolongs roof life, and reduces interior temperatures and energy costs.
- Meets the requirements of ASTM D6083
- Energy Star® Certified Product
- Cool Roof Rating Council (CRRC) Listed

### TYPICAL PHYSICAL PROPERTIES:

Properties	Typical Values
Solids by Volume	55%
Solids by Weight	63%
Weight per Gallon	11 lbs.
Viscosity	6500-8500 cps
Coverage, Dry	9 mils/100 ft <sup>2</sup> /gal.
Coverage, Wet	16 mils/100 ft <sup>2</sup> /gal.
Clean-up	Water
Re-coat Time	2-8 hours

### INSTALLATION:

- May be applied by spray or heavy nap roller. However, airless spray is recommended for consistency.
- All surfaces must be clean, dry, and free of dirt, grease, oil, and other contaminants that would interfere with proper adhesion.
- Apply in two separate coats at the minimum rate of one gallon per 100 square feet.
- Apply at temperatures above 50°F.
- Apply only when Weather conditions will permit coating to dry before rain, dew, or freezing temperatures occur.
- For details, see EnduraTech® Application Specifications.

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### PERFORMANCE PROPERTIES:

Properties	Test Method	Typical Values
Elongation	ASTM D2370	200%
Tensile Strength	ASTM D2370	350 psi
Low Temperature Flexibility	ASTM D522	Passes ½" mandrel bend
Permeance @ 20 mils	ASTM D1653	7
Tear Resistance	ASTM D624	63 pli
Adhesion	ASTM D794/D603	3.4 pli
Hardness, Shore A	ASTM D2240	55-65
Accelerated Weathering, 1000 hours	ASTM D4798	No cracking, fading, or checking
Water Swelling	ASTM D471	5%
Solar Reflectance	ASTM C1549	86% initial, 81% aged (white) 66% initial, 65% aged (tan)
Thermal Emittance	ASTM C1371	0.88 initial, 0.91 aged (white) 0.88 initial, 0.89 aged (tan)
SRI (Solar Reflectance Index)	ASTM E1980	108 initial, 102 aged (white) 80 initial, 79 aged (tan)

### RATINGS AND APPROVALS:

Organization	Test Method	Rating or Evaluation
Underwriters Laboratories	UL 790	Class A (NC) Class B (C-15/32)
Underwriters Laboratories	UL 1256	Class 90
Underwriters Laboratories	UL 580 Wind Uplift Resistance	165 psf
Underwriters Laboratories	UL 2218	Class 1
ICC Evaluation Services	Evaluation Report	ESR-3392
Cool Roof Rating Council (CRRC)	Approval	0990-001 (white)
		0990-002 (tan)

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