



EC-100

1. PRODUCT NAME

PRO-TECH EC-100
Acrylic Elastomeric Coating

2. MANUFACTURER

PRO-TECH PRODUCTS, INC.
3003 N. 73rd Street
Scottsdale, Arizona 85251

3. PRODUCT DESCRIPTION

PRO-TECH (EC-100) is a durable 100% acrylic elastomeric coating designed specifically for use over new polyurethane foam roofing systems, recoating existing foam roofing systems and for conventional roofs requiring superior adhesion and solar reflectance.

BENEFITS:

- Superior resistance to ultraviolet degradation
- Excellent adhesion to polyurethane foam
- Low temperature flexibility down to -15° F
- Low toxicity and odor, environmentally safe
- Excellent dirt pickup resistance maintains high reflectivity which reduces substrate temperatures, prolonging roof life and reducing interior temperatures and energy costs

4. TECHNICAL DATA

See TABLE 1.

RATINGS & APPROVALS

See TABLE 2.

5. 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, or other contaminants that would interfere with proper adhesion
- Apply in two separate coats of one gallon per 100 square feet per coat minimum. Warranty dependent on dry film thickness
- Apply at temperatures above 50° F
- Apply only when weather conditions will permit drying before rain, dew or freezing temperatures occur
- Acrylic-based coatings must cure before being subjected to freezing or moisture. Example of ideal conditions: 4-6 hours above 70° F and low humidity
- For application details see specific Guide Specifications

6. WARRANTY

No specific warranties implied.

7. MAINTENANCE

Periodic maintenance of Pro-Tech Products coatings and roofing systems ensures extended performance and reduces life cycle costs.

8. TECHNICAL SERVICES

Additional information, product brochures, and guide specifications are available. Customized application instructions are also available from our technical experts.

EC-100



TABLE 1 – TECHNICAL DATA

Property	Test Method	Typical Value
Viscosity (CPS)	Brookfield, LVT #4 @ 60 rpm	6500-8500
Solids by Volume (%)	ASTM D-2697	55%
Solids by Weight (%)	ASTM D-1644	63%
Weight per Gallon	ASTM D-1475	11 lbs.
Coverage (Mils/100sf/Gal.)		9 Dry Mils/16 Wet Mils
Clean-up		Water
Re-coat Time (hrs.)		Normally 2-8 hours
Elongation (%)	ASTM D-2370	200%
Tensile Strength (psi)	ASTM D-2370	350 psi
Permeance @ 20 mils	ASTM D-1653	7 perms
Water Swelling	ASTM D-471	5 %
Accelerated Weathering	1000 Hours Xenon	No cracking, fading or checking
Adhesion (SPF)	ASTM C-794/D-903	3.4 pli
Tear Resistance	ASTM D-624	63 ibf/in
Low Temperature Flexibility	ASTM D-522	½" mandrel
Solar Reflectance	ASTM C-1549	86% initial, 81% aged
Thermal Emittance	ASTM C-1371	0.88 initial, 0.91 aged
SRI (Solar Reflectance Index)	ASTM E1980	108 initial, 102 aged

TABLE 2 – RATINGS/APPROVALS EC-100 UL COATED FOAM SYSTEM

Designation	Rating
UL 790	Class A (NC) (C-15/32); Class B (C-15/32)
UL 1256	Class 90
UL 580	165 psf
UL 2218	Class 1
Approvals	
ICC Evaluation Services, Inc. – Legacy Report	ER-5979
Cool Roof Rating Council (CRRC)	0790-0001 (White)
Cool Roof Rating Council (CRRC)	0790-0002 (Energy Star Tan)
Energy Star	www.energystar.gov

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