



Technical Data Sheet



Product Description:

EC-100 is a premium grade 100% acrylic elastomeric water-based coating designed specifically for use over new polyurethane foam roofing systems. This durable 100% acrylic coating possesses excellent dirt pick-up resistance and outstanding adhesion, weatherability and good ponded water resistance over sprayed-in-place polyurethane foam surfaces.

Technical Data

EC-100 passes ASTM D6083

Basic Uses:

EC-100 not only is effective for use over new polyurethane foam, but can also be utilized for recoating applications over previously coated roofing substrates. EC-100 can also be successfully used over new or existing smooth surfaced or granulated built-up, modified bitumen roofing system, as well as metal and single ply membranes. Refer to Pro-Tech Products technical department for more information.

Packaging and Mixing:

EC-100 does not require thinning and is available in 5 gallon pails, 55 gallon drums, and 275 gallon totes in standard gray, tan, or white. Six custom colors are available upon request; consult Pro-Tech Products for more information and availability. It is recommended to thoroughly mix material prior to use utilizing an appropriate mixing blade.

Properties	Test Method	Typical Value
Viscosity (CPS)	Brookfield, LVT# 4 @ 60rpm	6500-7500
Solids by Volume (%)	ASTM D-2697	55% +/- 2%
Solids by Weight (%)	ASTM D-2370	63% +/- 2%
Weight per Gallon	ASTM D-1475	11 LBS
Coverage (Mils/100sf/Gal)		8.8 Dry Mils 16 Wet mils
Clean-Up		Water
Re-Coat Times (hrs.)		Normally 2-8 hours
Elongation (%)	ASTM D-2370	200%
Tensile Strength (psi)	ASTM D-2370	300psi
Permeance @ 20 mils	ASTM D-1653	15 perms
Water Swelling	ASTM D-471	10%
Accelerated Weathering	1000 Hours Xenon	No cracking or checking
Adhesion (SPF)	ASTM C-794/ D-903	3.4 pli
Tear Resistance	ASTM D-624	63 lbf/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 E-1980	108 initial, 102 aged

Note: The above values are average values obtained from a laboratory and should serve only as a guide.

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Warranty:

No Specific warranties implied. Standard warranty, issued to building owner, coating warranties available for 7, 12, and 15 years. System warranties are available in 10, 15, and 20 years. Please refer to the Pro-Tech Products warranty specification chart for dry film thickness for coating only or foam system warranty requirements. **Warranty information is only valid as published on Pro-Tech Products website.**

Installation:

EC-100 can be spray applied using airless spray equipment, or a heavy nap roller for smaller areas. Spray application is the preferred method of application to achieve consistency and uniform film build. All surfaces shall be clean, dry and free of all dirt, grease, oil, and other contaminants that could interfere with proper adhesion to the roofing substrate.

Apply EC-100 in two or more separate applications in a cross hatch method utilizing contrasting colors at the maximum rate of 1.5-1.75 gallons per 100 sq. ft. of surface area per coat. EC-100 applied at the rate of 1 gallon per 100 sq. ft. will theoretically yield 8.8 dry mills. This theoretical coverage is based upon a smooth nonporous surface, it is the sole responsibility the coating applicator to apply sufficient material to achieve the required dry film thickness specified for any given project. EC-100 shall always be applied at temperatures of 50 degrees and rising and when weather conditions will permit drying before rain, dew or freezing temperatures occur.

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Ratings/ approvals:



White: CRRC-0790-0001
And
Energy Star Tan: CRRC-0790-0002



White
And
Energy Star Tan Only



Report No. ESR- 2355



As To An External Fire Approved

ASTM 6083 Exposure Only



NOA 11-0517.06 , Miami-Dade County Product Control

Expiration 09/08/17

ASTM 6083