

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.

Properties	Test Method	Typical Value
Viscosity (CPS)	Brookfield, LVT#4 @ 60 rpm	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	300 psi
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 D-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 lab and should serve only as a guide.

Basic Uses:

EC-100 is not only effective for use over new polyurethane foam, but can also be utilized for recoating applications over previously coating roofing substrates. EC-100 can also be successfully used over new or existing smooth surfaced or granulated build-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.

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.

Ratings:



Report no. ESR-2355



As to an external fire approved;exposure only. ASTM 6083



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



White and Energy Star Tan Only

