

Overview

EC-6300 is an Aqueous Acrylate Protective Coating originally designed for the purpose of recoating Thermoplastic Polyolefin (TPO) and PVC roofing systems. Although EC 6300 adheres to SPF and a number of other membranes, EC-6300 has superb adhesion to white single ply roofs. This long-lasting coating also has impeccable resistance to dirt pick-up and can withstand ponding water with no loss of adhesion or blistering.

Properties	Test Method	Typical Value
Viscosity (CPS)	Brookfield, LVT # 4 @ 60rpm D-2697	6500-7500
Solids by Volume (%)	ASTM D-2697	63% +/-2%
Solids by Weight	ASTM D-2370	73% +/-2%
Weight per Gallon	ASTM D-1475	11.8
Coverage (Mils/100sf/gal)		10 Dry Mils 16 Wet Mils
Clean-Up		Water
Re-Coat time (hrs.)		2-8 hours
Elongation (%)	ASTM D-2370	185%
Tensile Strength	ASTM D-2370	285 psi
Permeance @ 20 mils	ASTM D-1653	15 perms
Water Swelling	ASTM D-471	15%
Accelerated Weathering	1000 hours Xenon	No cracking or checking
Tear Resistance	ASTM D-624	82.5 lbf/in.
Low Temp. Flexibility	ASTM C-1549	82.5 lbf/in.
Solar Reflectance	ASTM C-1549	86%
	Energy Star Tan	66%
Thermal Emittance	ASTM C-1371	0.88 initial, 0.91 aged
	Energy Star Tan	.88 initial, .89 aged
SRI (Solar Reflectance Index)	ASTM E-1980	108 initial, 102 aged
	Energy Star Tan	80 initial, 79 aged

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

Packaging and Mixing:

EC-6300 does not require thinning and is available in 5-gallon pails, 55-gallon drums and 275-gallon totes in standard gray, tan or white. Consult Pro-Tech Products for more information and availability.

Installation:

EC-6300 can be spray-applied using airless spray equipment or 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 cleaned using Pro-Tech Cleaning Concentrate, dry and free of all dirt, grease, oil and other contaminants that could interfere with proper adhesion to the roofing substrate.

EC-6300 applied at the rate of 3 gallons, per 100 sq. ft., will theoretically yield 30 dry mills. This theoretical coverage is based upon a smooth, non-porous surface; it is the sole responsibility of the coating applicator to apply sufficient material to achieve the required dry film thickness specified for any given project. EC-6300 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.