Technical Data Sheet

EC-50

Overview

EC-50 NR (non-rated) is a cost effective 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, ultraviolet 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	53% +/- 2%
Solids by Weight (%)	ASTM D-1644	65% +/- 2%
Weight per Gallon	ASTM D-1475	11 lbs.
Coverage (Mils/100sf/Gal)		8.48 Dry Mils/ 16 Wet mils
Clean-up		Water
Re-Coat Times (hrs.)		Normally 2-8 hours
Tensile Strength (psi)	ASTM D2370	250 psi
Elongation (%)	ASTM D2370	200%

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

Basic Uses:

EC-50 NR not only is effective for use over new polyurethane foam but can also be utilized for recoating applications over previously coated roofing substrates. EC-50 NR can also be successfully used over new or existing smooth surfaced or granulated built-up, modified bitumen roofing systems, as well as metal and single ply membranes. Refer to Pro-Tech Products technical department for more information.

Packaging and Mixing:

EC-50 NR does not require thinning prior to use and is available in 55-gallon drums in standard tan and white only. It is recommended to thoroughly mix all material prior to use utilizing an appropriate mixing blade.

Installation

EC-50 NR 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 clean, dry and free of all dirt, grease, oil and other contaminates that could interfere with proper adhesion to the roofing substrate.

Apply EC-50 NR 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 square feet of surface area per coat. EC-50 NR applied at the rate of 1 gallon per 100 square feet will theoretically yield 8.48 dry mils. This theoretical coverage is based upon smooth nonporous surface; it is the sole responsibly of the coating applicator to apply sufficient material to achieve the required dry film thickness specified for any given project. EC-50 shall always be applied at temperatures of 50 degrees and rising and when weather conditions will permit driving before rain, dew or freezing temperatures occur.