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Elastic Acrylic Copolymer Product Data Specification

TYPICAL PHYSICAL PROPERTIES

Solids (Volume)	52%
Viscosity	12,000 - 15,000 cps
Elongation	700% at 75° F
Tensile Strength	95 psi
Moisture Vapor Permeance @ 20 dry mils.	3.0 perms
Weight/Gallon	11.50 Lbs.
Shelf Stability	6 months
Cure Time	2-6 hours to recoat
Initial Reflectance	83%
Thermal Emittance	0.94

DESCRIPTION

Elastic is a single component, water-based synthetic polymer elastomeric coating. It provides protection to asphalt substrates and may be applied over fresh asphalt emulsion as a base coat. It exhibits superior adhesion to asphalt substrates, has a high hide capability, is highly reflective and has high elongation. Used in conjunction with Eraguard 1000 (see data sheet) it allows for the highest performing asphalt restoration system.

USES

Elastic may be used over new or aged smooth BUR, Modified Bitumen and asphalt emulsion as a base coat. Call ERSystems Technical Service for applications over substrates other than asphalt.

Color: gray

PACKAGING

Packaging is standard 5 gallons pails and 55 gallon drums.

APPLICATION EQUIPMENT

Application may be by brush, roller or airless spray.

Brush or Roller: Recommended for flashing, small inaccessible areas or where over spray may be a problem. Use a paint brush or a standard medium or coarse nap roller.

Airless Spray Equipment: Airless spray equipment should be capable of 1 gallon per minute capacity at 3000 psi. Elastic is designated a "medium elastomeric coating" with medium viscosity for pump purposes. 1/2" high-pressure hoses perform well. The airless spray gun should be equipped with a ball-bearing swivel for ease of handling. Recommended orifice size is .035" diameter, wide-angle fan pattern. A reverse-a-clean nozzle is recommended. Exact orifice size will vary with temperature of the material and weather conditions.

APPLICATION

Over Asphaltic Substrates – (APP and SBS Modified Bitumen, smooth BUR, Asphalt emulsions). Apply over clean, dry surfaces. Repair splits or cracks with fabric and Elastic. Allow curing. Apply Elastic as a base coat in 1/2- 1 gallon per square depending on surface texture. (Consult ERSystems Restoration Specification.) Allow to cure, then install 1 – 1 ½ gallons per square of Eraguard 1000 as a finish coat.

If applied over smooth Emulsion the minimum of 1 gal/sq in a first coat followed by 1 gal/SQ of Eraguard 1000 rolled at right angles to the first coat or spray apply second coat. First coat is typically backrolled. Resulting dry mil thickness will be 16 dry mil/gallon/SQ.

TEMPERATURE CONSTRAINTS

Do not apply Elastic below 40° F or in weather conditions where the temperature will fall below 40°F during the cure cycle. The service

temperature range is -35°F to 180°F. The substrate temperature range for application is 40°F – 120°F.

LIMITATION

Substrate must be clean, smooth and free of dirt, rust and/or moisture. Power washing of substrate is recommended.

Elastic must not be applied during inclement weather and should not proceed if any precipitation is imminent.

Application of materials with power spray equipment will require some masking and possible erection of wind screens to prevent over spray damage to surrounding structures, building surfaces, vehicles or other property or persons.

CLEAN-UP

Flush all hoses, equipment, and tools with water immediately after use.

STORAGE

Always store Elastic above 40° F. Keep from

freezing!

CAUTION!!!!

Avoid prolonged and repeated contact with skin. Do not take internally. Elastic may be attacked by some solvents. If solvents are to come in contact with Elastic, the user should test solvent on a cured sample prior to application, or request information from ERSystems technical services.

WARRANTY

IMPORTANT: While the information and data contained herein are presented in good faith and believed to be reliable, they do not constitute part of our terms and conditions of sale. Nothing herein shall be deemed to constitute a warranty, expressed or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.

ERSystems' sole warranty is that the product will meet the sales specification at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

PRIOR TO USE OF THIS MATERIAL, READ ALL APPROPRIATE MATERIAL SAFETY DATA SHEETS.