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ERATHANE 300 Finish Coat

Product Data Specification

TYPICAL PHYSICAL PROPERTIES

Solids (Volume)	65%
Solids (Weight)	70.0%
Viscosity	600 cps 70 KU
Shelf Stability	6 months
Elongation	300%
Tensile Strength	660 psi
Weight/Gallon	9.1 Lbs.
Cure Time (70°F/45% RH)	4 to 6 hrs set time 24 hrs dry

DESCRIPTION

Erathane 300 is a single component, moisture cure, aluminum pigmented, polyurethane elastomeric coating. It produces a cured film which is flexible, elastic and tough.

USES

Properly applied, Erathane 300 provides ultimate protection from UV, heat, weathering and ozone. Erathane 300 in combination with Primer Surfacer and HER 2000, provide a guaranteed watertight metal roof restoration system. Erathane 300 Finish Coat over Erathane 300 Base Coat, produces an excellent film combination to protect polyurethane foam roofs, concrete decks, and restored single ply membranes.

COLOR

Metallic grey

PACKAGING

Packaging is standard 5 gallons pails and 55 gallon drums.

APPLICATION EQUIPMENT

Application may be 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. Erathane 300 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 .025" to .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 polyurethane foam: (See Polyurethane Foam Insulation Roof Specification – Polyurethane) Follow the detailed instructions regarding characteristics of the polyurethane foam required and preparation of the foam surface. Erathane 300 may be applied as a finish coat over Erathane 300 Base Coat. Apply Erathane 300 at a minimum rate of 1 gallon per square for UV and weather protection. Erathane 300 may also be applied directly to polyurethane foam at a rate of 1 ½ gallons per square in two passes (total of 3 gallons). Roofing granules may be embedded into a final tack coat of ½ gallon per SQ of Erathane 300 Finish Coat.

Over Metal: (See Metal Roof Restoration Specification - Acrylics/Urethane) Erathane 300 is applied as a finish coat to metal roofs which have been properly prepared, primed to protect the metal from rust, and sealed with HER 2000 to waterproof. Erathane 300 is applied at a minimum rate of 1 gallon per square of flat, smooth surface area.

Over other substrates: Erathane 300 Finish Coat may be used to waterproof, seal, and protect a variety of substrates such as concrete, plywood, and board stock roof insulation and aged modified bitumen and aged BUR.

Adhesion of Erathane 300 should always be checked. Apply 6-12" square of Erathane 300 and embed a piece of Poly Soft II fabric into the coating, leaving a tail of the fabric exposed. Allow 2-3 days for the Erathane 300 to cure and perform a 90^0 pull test of the fabric tail to test adhesion of the coating to the substrate.

TEMPERATURE CONSTRAINTS

Do not apply Erathane 300 below 35^0 F. or in weather conditions where the temperature will fall below 35^0 F during the cure cycle. Minimum material temperature at time of spraying should be 55^0 F. For cold weather application techniques and information consult ERSystems. 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.

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 xylene or toluene immediately after use.

CAUTION!!!!

Erathane 300 spray mist represents risk of inhalation. Always provide positive fresh air ventilation. Respiratory protection should always be used when applying Erathane 300. An air mask is recommended for spray applications. On contact with the skin, uncured material can be removed with soap and water. Erathane 300 that cures on the skin will be very difficult to remove. However, washing with soap and water remains the best method. Do not use solvents to remove Erathane 300, since they can be absorbed or may cause further skin irritation. Erathane 300 is red label material and should be handled and stored as such. The solvents used in this urethane coating are volatile, combustible and in some cases, irritating to the eyes and skin. Keep containers tightly closed and away from heat, sparks and open flame. Erathane 300 contains chemically active isocyanate groups that react with water, alcohols and amines. Avoid breathing of vapors and contact with the skin. In confined areas, adequate ventilation or fresh air supplied hoods must be provided during application. These coatings are not intended for non-industrial use. Keep out of reach of children.

The flow of material through pump and system could create static electricity. When pumping flammable materials, all equipment must be properly grounded to prevent static discharge and sparking, which could cause fire or explosions. Use only conductive or grounded air and material hoses, and be sure that your compressor and pump are properly grounded per manufacturer's recommendation.

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.