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ERAGUARD 1000 ACRYLIC COATING

Product Data Specification

TYPICAL PHYSICAL PROPERTIES

ASTM D 6083

Solids (Volume)	55%
Viscosity	14000 cps
Elongation	300% at 73° F
Tensile Strength	270 psi
Moisture Vapor Permeance	
@ 30 dry mils.	6.0 perms
Weight/Gallon	12.1 Lbs.
Fungi Resistance	Zero Rating
Shelf Stability	8 months
Cure Time	2-6 hours to recoat
Initial Reflectance	85%
Emittance	0.94
Miami Dade Approval #	02-0617.08

DESCRIPTION

Eraguard 1000 is a single component, water-based acrylic, elastomeric coating. It provides excellent protection and is a weather barrier for many types of insulation and roofing materials. It also provides excellent UV protection for polyurethane foam. It exhibits superior adhesion to many substrates, has a high hide capability to provide a pleasing appearance and is designed to dry faster than many acrylic coatings

USES

Eraguard 1000 is a versatile, economic and easily applied coating. Primary uses are to protect polyurethane foam insulation and to waterproof metal buildings. It may also be used over smooth BUR, concrete, board stock roof insulation, and properly prepared plywood.

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 coarse nap roller.

Airless Spray Equipment: Airless spray equipment should be capable of 1 gallon per minute capacity at 3000 psi. Eraguard 1000 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 – Acrylics) Follow the detailed instructions regarding characteristics of the polyurethane foam required and preparation of the foam surface. Apply 2 coats. The first coat of gray Eraguard 1000 should be applied at 1 ½ – 2 gallons per 100 square feet as a base coat. For best results, the base coat of Eraguard 1000 is typically back rolled. After approximately 28 hours, apply the second coat at the rate of 1 ½ - 2 gallons per 100 square feet. Contrasting colors of the white Eraguard 1000 helps to assure proper coverage. The resulting d.f.t. will be 32 or more mils. Roofing granules may be embedded into a final tack coat of ½ gallon per SQ of Eraguard 1000.

Over Metal: (See Metal Roof Restoration Specification - Acrylics/Urethane) Eraguard 1000 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. The Eraguard 1000 is applied at 1 ½ gallons per SQ. For best results, finish coating on metal is applied in two passes (2 coats of 0.75 gallon per SQ).

Over other substrates: Eraguard 1000 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 (with Erlastic Base Coat).

To the properly prepared substrate (Contact ERSystems Technical Service if questions exist) a base coat of gray Eraguard 1000 is applied at 1 ½ - 2 gallons per SQ. The finish coat of white Eraguard 1000 is applied at 1 ½ - 2 gallons per SQ after the base coat has cured. Addition of 25-30 lbs. of #11 roofing granules is often embedded into a tack coat of 1/2 gallon per SQ of Eraguard 1000.

Adhesion of Eraguard 1000 should always be checked. Apply 6-12" square of Eraguard 1000 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 Eraguard 1000 to cure and perform a 90° pull test of the fabric tail to test adhesion of the coating to the substrate.

TEMPERATURE CONSTRAINTS

Do not apply Eraguard 1000 below 40° F. or in weather conditions where the temperature will fall below 40° F. during the cure cycle. The substrate temperature range for application is 40°F – 120°F. The service temperature range is -35°F – 180°F.

LIMITATION

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

Eraguard 1000 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 Eraguard 1000 above 40° F and below 85° F. Keep from freezing!

CAUTION!!!!

Avoid prolonged and repeated contact with skin. Do not take internally. Eraguard 1000 may be attacked by some solvents. If solvents are to come in contact with Eraguard 1000, the user should test solvent on a cured sample prior to application, or request information from ERSystems technical services. Eraguard 1000 should not be used in areas of standing water.

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.

ASTM D-6083 Testing

As tested for Miami Dade Approval by independent testing lab

DESCRIPTION	ASTM TEST DESIGNATION	REQUIRED	RESULT	STATUS
Viscosity	D 562	85 to 141 KU	122 KU	Pass
	D 2196	12000 to 85000 cPs	14,000 cPs	Pass
Volume Solids	D 2697	Greater than 50%	55.6%	Pass
Weight Solids	D 1644	Greater than 60%	67.18%	Pass
Initial Percent Elongation at Break	D 2370	Min. 100% at 73? F	278.08%	Pass
Initial Tensile Strength (maximum stress)	D 2370	Min. 200 psi at 73? F	266.34 psi	Pass
Permeance	D 1653	Max. 50 Perms	6.8 Perms	Pass
Water Swelling	D 471	Max. 20%	6.20%	Pass
Adhesion	C 794	Min. 2.0 pli	2.1 pli	Pass
Fungi Resistance	G 21	Zero Rating	Zero Rating	Pass
Tear Resistance	D 624	>60 lbf/in.	71.36 lbf	Pass
Accelerated Weathering 1000 hours	D 4798	No cracking or checking	No cracking or checking	Pass
Final percent Elongation (break) after accelerated weathering 1000 hours	D 2370	Min. 100% at 73? F	157.08%	Pass
Low Temperature Flex after 1000 hours accelerated weathering	D 522	Min. pass ½ in.	Pass ½ in.	Pass