



## Elastomeric Roofing Systems, Inc

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## ERAGUARD 500 ACRYLIC COATING

### Product Data Specification

#### TYPICAL PHYSICAL PROPERTIES

Solids (Volume)	50%
Viscosity	12,000-15,000 cps
Elongation	335% at 74° F
Tensile Strength	205 psi
Solar Reflectance	84.0%
Thermal Emittance	0.90
Moisture Vapor Permeance	
at 30 dry mils	5.0 perms
Weight/Gallon	12.0 lbs
Shelf Stability	8 months
Dry Time	2 to 6 hours to recoat

#### DESCRIPTION

Eraguard 500 acrylic is a single component, water-based acrylic, elastomeric coating. It exhibits very good adhesion to aged asphalt and many other substrates, has a good hiding power to provide a pleasing appearance and is designed to dry faster than many acrylic coatings. It is highly reflective and provides excellent UV protection.

#### USES

Eraguard 500 is a versatile, economic and easily applied coating. Eraguard 500 is especially designed for restoring and protecting aged asphaltic surfaces such as Mod Bit and BUR. It may be used for concrete, wood and previously coated polyurethane foam insulation. Eraguard 500 should not be applied directly to new polyurethane foam insulation.

#### COLORS

Standard color is white and gray. Both coatings are UV stable and may be used interchangeably as base and finish coats.

#### PACKAGING

Packaging is standard in 5 gallon 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 overspray 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. Eraguard 500 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.

Consult ERSystems Technical Service equivalent equipment recommendations.

#### APPLICATION

**Restoring Aged Asphalt - ModBit and Smooth BUR:** (See Asphalt Restoration Roof Specification) Follow the detailed instructions regarding preparation and repair of the asphalt surface. Adhesion of the Eraguard 500 to asphalt is very good and typically does not require priming. Apply 2 coats. The first coat of gray Eraguard 500 should be applied at 1½ - 2 gallons per 100 square feet as a base coat. For best results, the base coat of Eraguard 500 is typically back rolled. After approximately 2-6 hours, apply the second coat at the rate of 1½ - 2 gallons per 100 square feet. Contrasting colors of the white Eraguard 500 helps to assure proper coverage. The resulting DMT will be 32 or more mils. Roofing granules may be embedded into a final tack coat of 1/2 gallon per SQ of Eraguard 500.

**Over other substrates:** Eraguard 500 may be used to waterproof, seal, and protect a variety of substrates such as concrete and plywood.

To the properly prepared substrate (Contact ERSystems Technical Service if questions exist) a base coat of gray Eraguard 500 is applied at 1½ - 2 gallons per SQ. The finish coat of white Eraguard 500 is applied at 1½ - 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 0.5 gallon per SQ of Eraguard 500.

Adhesion of Eraguard 500 to the substrate should always be checked. Apply 6" - 12" square of Eraguard 500 and embed a piece of Poly Soft II fabric into the coating, leaving a tail of the fabric exposed. Allow 23 days for the Eraguard 500 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 500 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 500 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 overspray 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 500 above 40° F. Keep from freezing!

#### **CAUTION!!!!**

Avoid prolonged and repeated contact with skin. Do not take internally. Eraguard 500 may be attacked by some solvents. If solvents are to come in contact with Eraguard 500, the user should test solvent on a cured sample prior to application, or request information from ERSystems technical services. Eraguard 500 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.**