



Technical Data Sheet

Elasto-Barrier®

Stock Code

SEB Series

Packaging Information

- 1 Gallon Pail
- 5 Gallon Pail
- 55 Gallon Drum
- 250 Gallon Tote

Characteristics

Elasto-Barrier® is a water-based elastomeric coating primarily used as a roof primer in Ames Roof Coating Systems. Elasto-Barrier can be used in areas subjected to ponding water, and in conjunction with embedding fabrics to reinforce roof areas. Elasto-Barrier must be top coated with a suitable Ames® UV-Resistant product.

VOLUME SOLIDS	41% ± 2%
WEIGHT SOLIDS	46% ± 2%
ADHESION TO VARIOUS SUBSTRATES	ASTM D3359 Cross Hatch Adhesion Dry Concrete, Plywood, Pressure Treated Plywood, Cedar, Galvanized Steel, Cold Rolled Steel, Aluminum
COLOR	Gray
COVERAGE	1 gallon per 64 sq. ft. per coat
CURE TIME	7-10 days
DRY FILM THICKNESS (@ 1 GAL/64 SQ. FEET)	10 mils per coat
DRY TIME	At 40° - 80° F: 2-8 hours dry to touch Allow 24 hours dry time between coats
ELONGATION	ASTM D6083 ASTM D412 up to 1200% at 20 Mils DFT
FLASH POINT	>200° F
HUMIDITY	Best applied at 50% humidity or below
PH AS SHIPPED	ASTM E70 9.4-9.9
UV SENSITIVITY	Yes, must be top coated or covered if exposed to UV light
SHELF LIFE	24 Months Unopened
PVC	8.5%
V.O.C CONTENT	< 5 g/l
VAPOR PERMEABILITY	ASTM E96 Desiccant Method 0.18 perms
VEHICLE TYPE	Acrylic/Neoprene/Styrene Butadiene Blend
VISCOSITY	ASTM D2196 5000-6000 #6 Spindle @ 100 RPM

Compliance

SCAQMD	Yes
OTC & OTC PHASE II	Yes
CARB & CARB SCM 2007	Yes
LEED® V4 & V 4.1 EMISSIONS	Yes
LEED® V4 & V4.1 V.O.C.	Yes

Surface Preparation

Pressure-wash or scrub, and rinse existing roof with clean water. Do not use soap or detergent. Surface must be totally dry before beginning work/coating.

Application Methods

Apply between 50° - 90° F on a warm dry surface. Surface temperature must be 5° F higher than the dew point and rising.

- **Brush:** Nylon/polyester
- **Roller:** ¾" - ½" nap nylon/polyester
- **Sprayer:** Always use airless equipment (see spray application section for details)

Application Instructions

Review product Application Guide before proceeding. Conduct a test patch to ensure proper adhesion.

Elasto-Barrier should be applied on a properly and adequately drained roof and the roof surface must be clean, dry and in savable condition. Some areas may require periodic preventative maintenance. Ames Research Laboratories Technical Service Representatives are available to assist in determining the correct Ames Roof System for your specific roof.

- Spray or pour out Elasto-Barrier onto surface. Spread in 1-2-gallon increments if applying by squeegee, or roller
- Even up the coating application with a roller as needed to maintain a uniform thickness
- Work on manageable sections of roof allowing you time to properly apply the materials prior to materials beginning to dry
- If spraying it may be advantageous to back roll through the first coat during application to infill rough surfaces. Always contact Technical Services when in doubt
- A mil gauge (wet mil gauge) should be used to check the thickness during application of each coat
- After 72 hours of exposure, protect from UV exposure by direct sunlight

Spray Application

- Airless Equipment sizing should have a flow rate of 1.0 – 2.0 GPM, 2500 to 3000 PSI, Heavy Duty Reverse-clean tip (without diffuser pin) sizes 629 (12" fan .029 orifice size) to 633 (12" fan .033 orifice size). Hose size ½" reduced to ¼" before connection to gun swivel.
- If airless has a machine filter in addition to the intake rock screen we recommend either a 40-mesh filter or temporarily removing the machine filter cartridge altogether.
- Airless equipment should be cleaned after use without delay

Disclaimer

The information and specifications set forth in this Technical Data Sheet are based on tests conducted by or on behalf of Ames Research Laboratories, Inc. All information is subject to change and pertains to the product available at time of publication. Please contact Ames Research Laboratories to receive the most recent Technical Data Sheet.

Clean-up, Storage & Disposal

- Clean up tools, spills, and hands immediately after use with water
- Store unused product in the original container tightly sealed
- Dispose of this product in accordance with local, state, or federal requirements
- Protect from freezing

Cautions

- Do not take internally
- Keep out of reach of children
- Avoid contact with skin and eyes
- Use hand and eye protection when using this product
- Wash with soap and water after contact with skin
- If eye-contact occurs rinse with clean water and seek medical advice if symptoms continue

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