



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 waterborne elastomeric primer primarily used for roofs. 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.

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| 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 66 sq. ft. per coat |
| CURE TIME | 7-10 days |
| DRY FILM THICKNESS (@ 1 GAL/66 SQ. FEET) | 10 Mils |
| DRY TIME | At 40° - 80° F 2-8 hours 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 @ 100rpm |

Compliance

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|---------------------------------------|-----|
| 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:** 3/8" - 1/2" nap nylon/polyester
- **Sprayer:** Always use airless equipment (see spray application section for details)

Application Instructions

- Check existing fasteners at flashings, nailed down cap sheet seams, and other roof mounted items refastening or replacing fasteners as needed
- On all roof types: overlapped seams between roof sheeting, flashing details, mechanical equipment curbs, pitch pockets, cable mounts and drain transitions all need to be counter flashed with polyester fabric installed into a wet bed of Elasto-Barrier®
- Allow embedded flashing details to dry 24 hours before beginning first body coat of Elasto-Barrier®
- Apply 1st coat of Elasto-Barrier® at a rate of 66 sq. ft./gal. and allow to dry a minimum of 8 hours. Note: If the substrate is rough or irregular an additional coat applied at 66 sq. ft./gal may be required
- After waterproofing layer(s) have dried, apply a 2nd coat of Elasto-Barrier® at a rate of 90 sq. ft./gal. While wet, roll out a layer of reinforcing polyester fabric into the wet material, remove air pockets and wrinkles, overlap the fabric a minimum of 4 inches and roll over the still wet embedded fabric to completely saturate the fabric as needed up to 220 sq. ft./gal.
- Once the embedded polyester fabric has dried a recommended 24 hours, apply a 3rd coat of Elasto-Barrier® at a rate of 66 sq. ft./gal
- The Elasto-Barrier® Fabric Reinforced System should measure 30 mils dry film thickness when properly applied. Always check previously applied coat for dryness before walking on the coating surface
- Some areas may appear to be dry – be cautioned that areas of spray overlap, or additional thickness may take longer to dry. Dry times are dependent on weather conditions
- A mil gauge (wet mil gauge) should be used to check the thickness during application of each coat
- As with all construction materials, care should be taken to protect membrane against being soiled or punctured prior to the installation of subsequent products
- After 72 hours of exposure, protect from UV exposure by direct sunlight

Spray Application

- Airless Equipment sizing should be a flow rate of 1.5 to 2 GPM, 2500 to 3000psi, Heavy Duty Reverse-clean tip (without diffuser pin) sizes 629 (12" fan .029 orifice size) to 633 (12" fan .033 orifice size) Hose size 3/4" reduced to 1/2" 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, 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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