



**SHERWIN
WILLIAMS.**

E-BARRIER

REFLECTIVE COATING FOR ATTIC DECKING B68S100

E-BARRIER REFLECTIVE COATING is a low emissivity (low E) coating for application to the underside surface of roof decks.

E-BARRIER REFLECTIVE COATING helps keep the interior of structures warmer in winter and cooler in summer by reducing the loss of radiant heat in the winter and reducing the penetration of heat into a building in the summer.

E-BARRIER REFLECTIVE COATING contains proprietary materials which reflect radiant heat back towards its source. In the winter, about 65% of a building's heat that would normally escape through the roof surface is reflected back into the building, reducing the loss of heat. In summer, a similar amount of radiant energy from the sun is reflected back reducing the pick up of heat in the building.

- Reduce heating and cooling costs
- Reflects 68% of radiant energy
- **Emissivity Value:**

Decking (OSB, Plywood)	0.32
Metal	0.29

Use on interior:

- Drywall
- Masonry
- Concrete
- Ceiling tiles
- Coated metal roofing
- Previously Painted Surfaces

- Coat rafters, joists, and gable ends
- **DO NOT TOPCOAT.** It will significantly reduce the effectiveness of E-Barrier Reflective Coating.
- E-Barrier is an aluminum finish that is not designed to withstand any handling

CHARACTERISTICS

Color: Silver Metallic
Coverage: 350 - 400 sq ft/gal @ 4.0 mils wet; 0.3 mils dry depending on surface texture and porosity
Drying Time, @ 77°F, 50% RH: Drying and recoat times are temperature, humidity, and film thickness dependent.
 Touch: 1 hour
 Recoat: 4 hours
Flash Point: N/A
Finish: 5-15 units @ 85°
Shelf Life: **30 months** Stored indoors @ 40° to 100°F
Tinting: Do not tint
Vehicle Type: Vinyl Acetate-Ethylene Copolymer
B68S100
VOC (less exempt solvents): 272 g/L; 2.27 lb/gal
VOC EPA Category: Metallic
Volume Solids: 7 ± 2%
Weight Solids: 13 ± 2%
Weight per Gallon: 8.8 lb
 OTC Compliant

SPECIFICATIONS

Primers are generally not required

To maximize the effectiveness of E-Barrier, a minimum of 2" of air-space is required between the E-Barrier and the next substrate.

Galvanized Steel, Aluminum
 1 ct. E-Barrier Radiant Barrier

Wood, Plywood, OSB
 1 ct. E-Barrier Radiant Barrier

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with PrepRite® ProBlock® Primer Sealer.

Aluminum and Galvanized Steel
 Remove all corrosion with sandpaper, steel wool, or other abrading method. Spot-prime any rusted area with All Surface Oil-Based Primer or Kem Kromik® Universal Primer

Wood, Plywood, OSB
 Repair or replace any damaged or deteriorated substrate.

107.40

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SURFACE PREPARATION

Mildew—Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

APPLICATION

Stir thoroughly before each use and occasionally during use.

Apply at temperatures above 50° and below 100°F.

No reduction necessary.

Spray-Airless

Pressure 2000-2500 psi

Hose 1/4" – 3/8" ID

Tip017" - .021"

Filter none

Brush - Use a nylon/polyester brush.

Roller - Use a 3/8" - 1/2" nap synthetic cover.

Because of the intended area for use, with roofing nails penetrating the surface, brushing and rolling may be difficult application methods

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

CAUTION

CAUTION contains METALLIC PIGMENT. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. Avoid contamination with water. Water can cause evolution of gas which may result in dangerously increased pressure in closed container. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. WARNING: This product contains a chemical known to the State of California to cause cancer. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.
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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.