

DURO-SHIELD® ROOF PRIMER: ASPHALT BLEED BLOCK

DESCRIPTION:

Duro-Shield® Roof Primer: Asphalt Bleed Block ("Bleed Block") is a single-component, water-based sealer for use on roofing substrates containing bitumen prior to applying a Duro-Shield roof coating. Bleed Block encapsulates the oil that commonly exudes from bituminous substrates and effectively traps it within the sealer to help inhibit bleed-through to a Duro-Shield Roof Coating.

Bleed Block can be used on the following bitumen-based roof substrates:

- Smooth-surfaced built-up roofing
- All types of modified bitumen roofing
- Smooth or granulated asphaltic roofing

ORDERING:

Approximate coverage rate per gallon (liter):

- 100 ft² per gallon
(9.3 m² per 3.8 liters)
- 650 ft² per gallon per mil
(16 m² per liter per 0.02 mm)

Refer to the Duro-Shield roof coating installation guides located on www.duro-last.com for specific application guidelines.

- 5-gallon pail (Item #402905)
- 55-gallon pail (Item #402955)

STORAGE AND HANDLING

- Store product tightly closed in a dry, cool and well-ventilated place.
- Keep out of direct sunlight.
- Keep product from freezing.
- Store product between 50 °F (10 °C) and 80 °F (26 °C), out of direct sunlight, for maximum shelf life. Shelf life is two years in an unopened container, from date of manufacture printed on product, when following these recommended storage procedures.



DURO-SHIELD ROOF PRIMER: ASPHALT BLEED BLOCK PROPERTIES		
	Test Method	Results
Weight	—	11.36 lb. / gallon
Color	—	Red
Viscosity	ASTM D 2697	85 – 100 KU
VOC Content	EPA 24	< 50 g / L
Solids by Weight	ASTM D 1644	56.5%
Solids by Volume	ASTM D 2697	40.5%
Flash Point	ASTM D 1310	TOC > 200 °F (93 °C)
Tensile Strength	ASTM D 2370	614 psi
Elongation	ASTM D 2730	58%
Tear Resistance (Die C)	ASTM D 624	93.2 lb / in
Wet Adhesion	ASTM C 794	Pass
Water Swelling	ASTM D 471	4% mass
Water Vapor Permeability	ASTM E 96	5.0 perms

PRECAUTIONS:

- Read Safety Data Sheets (SDS) prior to using. SDS can be found on the Duro-Last website.
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
- Use only in well ventilated areas and avoid breathing vapors.
- Keep container closed when not in use.
- **Keep away from children.**

INSTALLATION:**1. General**

- Bleed Block is not intended for use on gravel-surfaced built-up roofing membranes.
- **Only apply product when the surface and ambient temperatures are between 50 °F (10 °C) and 110 °F (38 °C).**
- Do **not** apply when rain, cold or nightfall are imminent. Humidity should be below 90%.
- Do **not** apply in areas of ponding water.
- Thinning is **not** recommended under normal conditions.
- Use a brush, roller (1-inch nap, min.), or airless sprayer to apply. Best results are obtained when using an airless sprayer. Care should be taken when using an airless sprayer to apply Duro-Shield products. Wind-blown over-spray may damage property adjacent to the project site.

Recommended airless sprayer settings:

- 2,000 – 3,000 psi at the gun tip
- 1.0 – 3.0 gallon (3.8 – 11.4 L) per minute flow rate
- Tip sizes ranging from 0.025 – 0.040 inches (0.635 – 1.016 mm)

2. Substrate Preparation

- Repair the substrate by following *Substrate Preparation* instructions within the Duro-Shield roof coating installation guides.

3. Cleaning Procedures

- Apply to surfaces which are clean, dry and free of oil, mildew, grease or any other contaminants. **Do not pressure wash asphalt surfaces or rinse with water or cleaners.** Remove surface dirt and loose granules using a power broom and/or industrial vacuum.

4. Seam Treatment

- Repair all horizontal and vertical seams by following *Seam Treatment* instructions within the Duro-Shield roof coating installation guides.

5. Priming

- All substrates, except for granulated asphaltic roofing, require an adhesion test. Follow *Testing* instructions within the Duro-Shield roof coating installation guides.
- Stir until an even consistency is achieved. A slow-speed drill with mixer attachment is recommended.
- Apply at an approximate coverage rate of 100 square feet per gallon (9.3 square meters per 3.8 liters).

A continuous 6-mil dry coverage is important to ensure blocking of oil migration to the surface.

- Allow to dry for at least 4 hours at 75 °F (24 °C) and 50% relative humidity. Longer cure times are needed in lower temperatures or higher humidity conditions, or in areas of heavy film build.
- Apply coating after the Bleed Block has thoroughly dried.

CLEANUP:

- Uncured product may be removed by wiping with warm water, soap and a clean cloth.
- Application equipment should be cleaned immediately after use with warm water, soap and a clean cloth. Follow spray equipment manufacturer's guidelines on clean up and maintenance of spray equipment.