

DURO-SHIELD® BLEED BLOCK PRIMER

DESCRIPTION:

Duro-Shield® Bleed Block Primer (“Bleed Block”) is a single-component, water-based sealer for use on roofing substrates containing modified bitumen (“mod bit”), or built-up roofing (“BUR”), 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 asphalt-based roof substrates:

- Smooth-surfaced BUR
- All types of mod bit roofing
- Smooth or granulated asphaltic roofing

ORDERING:

Refer to the Duro-Shield roof coating installation guides located on the [Duro-Last® website](http://duro-last.com) for specific application guidelines.

- 5-gallon (18.9 L) pail (Item #402905)
- 55-gallon (208.2 L) pail (Item #402955)

STORAGE AND HANDLING

- Store product out of direct sunlight, tightly closed in a dry, cool, and well-ventilated place.
- Keep product from freezing
- Store between 50° – 80° F (10° – 27° C)

Shelf Life

2 years from the date of manufacture printed on the product in an unopened container, when following these recommended storage procedures.

PRECAUTIONS:

- **KEEP AWAY FROM CHILDREN.**
- Use **only** in well-ventilated areas.
- Read Safety Data Sheets (“SDS”) prior to using. SDS can be found on the [Duro-Last® website](http://duro-last.com).
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
- Avoid breathing vapors.
- Keep container tightly closed when not in use.



DURO-SHIELD ROOF PRIMER: ASPHALT BLEED BLOCK PROPERTIES		
	Test Method	Results
Weight	–	11.36 lb/gal (1.36 kg/L)
Viscosity	ASTM D 2697	85 – 100 KU
VOC Content	EPA 24	< 0.42 lb/gal (< 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 (4.2 MPa)
Elongation	ASTM D 2730	58%
Tear Resistance (Die C)	ASTM D 624	93.2 lb/in. (1.7 kg/mm)
Wet Adhesion	ASTM C 794	Pass
Water Swelling	ASTM D 471	4% mass
Water Vapor Permeability	ASTM E 96	5.0 perms

INSTALLATION:

Labor & Material Warranties are available. Please contact your Duro-Shield Representative for requirements.

1. General

- Bleed Block is **not** intended for use on gravel-surfaced BUR membranes.
- 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.
- **Only** apply product when the surface and ambient temperatures are between 50° – 110° F (10° – 38° C).
- Apply using:
 - Brush
 - Roller (1-in. (25-mm) nap, min.)
 - Airless sprayer (recommended)
 - Care should be taken when using an airless sprayer. Wind-blown over-spray may damage property adjacent to the project site.
 - Recommended airless sprayer settings:
 1. **Gun tip:** 2,000 – 3,000 psi (13.8 – 20.7 MPa)
 2. **Flow rate:** 1.0 – 3.0 gal/min (3.8 – 11.4 L/min)
 3. **Tip sizes:** 0.025 – 0.040 in. (0.64 – 1.02 mm)

2. Substrate Preparation

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

3. Substrate Cleaning Procedures

- a. Apply to surfaces which are clean, dry and free of oil, mildew, grease or any other contaminants.
- b. Remove surface dirt and loose granules using a power broom and/or industrial vacuum.
- c. Allow asphalt surface to **DRY COMPLETELY** after cleaning.

4. Seam Treatment

- a. Repair all transitional seams by following *Seam Treatment* instructions within the appropriate Duro-Shield roof coating installation guide.

5. Application

- a. **Perform adhesion testing**
 - All substrates, except for granulated asphaltic roofing, require an adhesion test.
 - Follow *Testing* instructions within the Duro-Shield roof coating installation guides.
- b. **Stir** using a slow-speed drill with mixer attachment until an even consistency is achieved.
- c. **Apply** at an approximate coverage rate of 100 ft²/gal (2.5 m²/L).
 - A continuous 6-mil (0.15 mm) dry coverage is important to ensure blocking of oil migration to the surface.
- d. **Allow to dry** for at least 4 hours at 75° F (24° C) and 50% relative humidity, before coating.
 - Longer cure times are needed in lower temperatures, higher humidity conditions, or in areas of heavy film build.

CLEANUP/ADDITIONAL INFO:

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.