

# DURO-SHIELD® MULTI-PURPOSE PRIMER

## LOW VOC PRIMER

### DESCRIPTION:

Duro-Shield® Multi-Purpose Primer is a solvent-based primer that can be used over multiple substrates\* prior to applying Duro-Shield roof coatings.

Duro-Shield Multi-Purpose Primer can be used on the following roof substrates:

- Weathered single-ply membranes:
  - Aged Duro-Last® PVC (polyvinyl chloride)
  - Other aged PVCs
  - EPDM
  - Aged TPO (thermoplastic polyolefin)
- Galvanized steel, aluminum, Galvalume®:
  - On structurally sound metal panels with moderate to extensive oxidation, clean and lightly abrade to remove loose rust.
  - Adhesion tests are recommended, especially over previously coated or painted metal substrates.
  - To improve adhesion for Duro-Shield silicone or acrylic roof coating, apply Duro-Shield Multi-Purpose Primer.
- Most existing elastomeric roof coatings
  - Existing silicone coatings should not be primed.

NOTE: Not for use over asphalt, concrete, or other rough or porous substrates.



### ORDERING:

Refer to Application step 3.c. for approximate coverage rates. Refer to the Duro-Shield Silicone Roof Coating Installation Guide located on the [Duro-Last website](http://www.duro-last.com) for additional application guidelines.

- 5-gallon (Item #419805)
- Manufacturer code – example: W24A0001  
 Finished goods code: W  
 Manufacture date: 24 (Year)  
 Month: A (January)  
 Batch: 0001

### STORAGE AND HANDLING

- **WARNING: EXTREMELY FLAMMABLE**  
 Keep away from heat / sparks / open flames / hot surfaces. Do not smoke while installing.
- Store product tightly closed in a dry, cool, and well-ventilated place.
- Store out of direct sunlight.

### SHELF LIFE

12-month shelf life expected if stored in the original unopened container at temperatures between 60° – 80° F (16° – 27° C). Shelf life will be shortened if exposed to elevated temperatures.

DURO-SHIELD MULTI-PURPOSE PRIMER PROPERTIES		
	Test Method	Results
Color	–	Duro-Last Blue
VOC Content	SCAQMD 1168	1.9 lb/gal (227.7 g/L)
Viscosity	#2 spindle @ 20 rpm	≤ 200 cps
Solids by Weight	–	11.0 – 12.5%
Flash Point	–	-4° F (-20° C)
Boiling Point	–	133° F (56.1° C)
Cure Time	–	Approx. 2 hours

**PRECAUTIONS:**

- **WARNING: EXTREMELY FLAMMABLE**

Keep away from heat / sparks / open flames / hot surfaces. Do not smoke while installing.

- **KEEP AWAY FROM CHILDREN.**

- **NOT WATER SOLUBLE.**

- Use **only** in well-ventilated areas.
- Keep container closed when not in use.
- 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.
- Avoid breathing vapors.

**APPLICATION:****1. General**

- Do **not** thin this product.
- Application method:
  - Brush (solvent-resistant)
  - Roller (solvent-resistant, short nap)
  - Airless sprayer (NOTE: Use pressure pot or airless sprayer to apply. Avoid puddling of primer on surface when spraying.)

**2. Substrate Preparation, Cleaning Procedures, and Seam Treatments Prior to Priming**

- Refer to instructions within the appropriate Duro-Shield roof coating installation guide.

**3. Priming**

- a. Do **not** thin this product.
- b. Mix thoroughly before use. A mechanical mixer is required to ensure sufficient mixing of contents. Product will appear uniform and free of lumps after mixing.
- c. Apply at the following coverage rates:
  - Approximate coverage rate: 200 – 250 ft<sup>2</sup>/gal (4.9 – 6.1 m<sup>2</sup>/L).
  - Avoid puddling of primer on the surface.
  - Required minimum Wet Film Thickness (WFT) is 6 – 8 mils (0.15 – 0.20 mm).
- d. Allow to dry for at least 2 hours, until a tacky film state is achieved.
- e. Apply silicone coating within 24 hours from the start of primer application.

NOTE: If Duro-Shield Multi-Purpose Primer is left exposed to the environment longer than 24 hours, it must be reapplied.

**CLEANUP:**

Clean application tools and equipment with virgin mineral spirits. Recirculate through lines and gun until residual coating is removed. **DO NOT USE WATER OR RECLAIMED SOLVENTS.**