

# DURO-SHIELD® UNIVERSAL PRIMER

**DESCRIPTION:**

Duro-Shield® Universal Primer is a polymer emulsion resin that can be used as a primer and bleed blocker over multiple substrates prior to applying Duro-Shield silicone or acrylic roof coatings.

Duro-Shield Universal Primer starts as a light yellow color and changes to a darker amber hue as the coating dries. This allows for visual confirmation of the coating’s level of cure and readiness for application of Duro-Shield silicone or acrylic roof coatings.

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

- Single-ply membranes:
  - Aged Duro-Last® PVC (polyvinyl chloride)
  - Other aged PVCs
  - EPDM (ethylene propylene diene monomer)
- Mineral and granule-surfaced built up (BUR) and modified bitumen
- Smooth-surfaced built up (BUR) and modified bitumen
- Concrete
- Metal: aged galvanized, Kynar®, vinyl-coated



**ORDERING:**

Approximate coverage rates per gallon:

- Smooth surfaces: 200 square feet
- Irregular surfaces: 50 to 75 square feet

Refer to either Duro-Shield installation guide located on [www.duro-last.com](http://www.duro-last.com) for specific application guidelines.

- 5-gallon pails (Item #4264)
- 55-gallon drums (Item #4265)

**STORAGE AND HANDLING:**

- Store product tightly closed in a dry, cool and well-ventilated place.
- Keep out of direct sunlight.
- Keep product from freezing.
- Shelf life is two years in an unopened container, from date of manufacture printed on product, when following these recommended storage procedures.

Example: 040218024

Date of Manufacture: 04/02/2018 Batch: 024

DURO-SHIELD UNIVERSAL PRIMER PROPERTIES		
	Test Method	Results
Weight	ASTM D 1475	11.1 lb. / gallon
Color	–	Wet – yellow Dry – amber
VOC Content	EPA 24	10 g / L
Tensile Strength	ASTM D 2370	250 psi
Elongation	ASTM D 2370	250%
Viscosity	ASTM D 2196	110,000 cps
Solids by Weight	ASTM D 1644	62%
Solids by Volume	ASTM D 2697	45%
Flash Point	ASTM D 56	Nonflammable
Cure	–	4 to 8 hours

**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**

- **Only apply product when the surface and ambient temperatures are between 40° F (4° C) and 100° F (37° C). Product should be stored between 50° F (10° C) and 90° F (32° C) for 24 hours prior to installation.**
- Do **not** apply when rain, cold or nightfall are imminent. Humidity should be below 90%.
- Do **not** apply in areas of ponding water.
- Thinning the product is **not** allowed.
- 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 silicone or acrylic products. Wind-blown over-spray may damage property adjacent to the project site.

**2. Substrate Preparation**

- a. Repair the substrate by following *Substrate Preparation* instructions within either Duro-Shield installation guide.

**3. Cleaning Procedures**

- a. Apply to surfaces which are clean, dry and free of oil, mildew, grease or any other contaminants. Follow *Cleaning Procedures* within either Duro-Shield installation guide.

**4. Seam Treatment**

- a. Repair all horizontal and vertical seams by following *Seam Treatment* instructions within either Duro-Shield installation guide.

**5. Priming**

- a. Stir until an even consistency is achieved. A slow-speed drill with mixer attachment is recommended.
- b. Apply at approximate coverage rates per gallon:
  - Smooth surfaces: 200 square feet
  - Irregular surfaces: 50 to 75 square feet
- c. Allow to dry for 4 to 8 hours.

**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.