

DURO-SHIELD® ROOF PRIMER: UNIVERSAL 2-PART EPOXY KIT

DESCRIPTION:

Duro-Shield® Roof Primer: Universal 2-Part Epoxy Kit (“2-Part Epoxy”) is a water-based 2-part epoxy that can be used as a primer over multiple substrates prior to applying a Duro-Shield roof coating.

2-Part Epoxy can be used on the following roof substrates:

- Single-ply membranes:
 - Aged Duro-Last® PVC (polyvinyl chloride)
 - Other aged PVCs
 - EPDM
- Mineral and granule-surfaced built up (BUR) and modified bitumen
- Smooth-surfaced built up (BUR) and modified bitumen
- Aged galvanized metal
- Masonry block filler when mixed with ordinary sand



10-Gallon Kit



4-Gallon Kit

ORDERING:

Refer to 5.b. for approximate coverage rates. Refer to the Duro-Shield roof coating installation guides located on www.duro-last.com for specific application guidelines.

- 10-gallon kit (A and B pails) (Item #425202)
- 4-gallon kit (A and B pails) (Item #425201)

STORAGE AND HANDLING

- Store product tightly closed in a dry, cool and well-ventilated place.
- 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: UNIVERSAL 2-PART EPOXY KIT PROPERTIES		
	Test Method	Results
Weight	ASTM D 1475	23.3 lb. / gallon Part A: 12.6 lb. / gallon Part B: 10.7 lb. / gallon
Color	–	Light pink
VOC Content	EPA 24	< 100 g / L
Solids by Weight	ASTM D 1644	60.5%
Solids by Volume	ASTM D 2697	44%
Flash Point	ASTM D 1310	TOC > 200 °F (93 °C)
Cure	–	At least 6 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**

- Do **not** apply if ambient, material or substrate temperatures are below 50° F (10° C) or above 100° F (37° C). For cold weather application, keep material stored above 60° F (15° C). Hot weather application will result in shortened pot life. Store materials out of sun and below 80° F (26° C).
- Do **not** apply when rain, cold or nightfall are imminent. Humidity should be below 90%.
- Thinning is not normally required for roller application. When thinning is necessary to extend pot life for spraying, for application at cool temperatures, or to achieve recommended application rates, thin combined material by 10 – 20% with clean water and mix thoroughly. Do **not** thin more than 20%.
- Product may be applied by brush, roller or spray. On smooth surfaces, use a 1/4 – 3/8 inch (6 – 10 mm) nap roller or nylon brush. When applying Universal Primer as block filler for porous concrete, use a 1 – 1-1/4 inch (25 mm – 32 mm) nap roller. If blow holes form as the primer dries, make a second pass with a relatively dry roller; allow 5 – 10 minutes between passes.

2. Substrate Preparation

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

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 the Duro-Shield roof coating installation guides.

4. Seam Treatment

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

5. Priming

Equal parts, by volume, of Part A and Part B must be properly combined as per the following directions prior to application:

- a. Mix Part A for 3 – 5 minutes. Mix Part B for 3 – 5 minutes.
- b. Pour Part B into a clean, empty pail. Pour Part A into the same pail. It will sink.

- c. Mix both together for 3 – 5 minutes. Mixture will appear thin and light pink in color. Power mixing is recommended when combining more than 1 gallon (3.8 L) each of Part A and Part B. Pot life after mixing is 1.5 hours at 75° F (24° C). The pot life will double at 55° F (13° C) and at 100° F (38° C), pot life is reduced to approximately 45 minutes.
- d. Apply at the following approximate coverage rates:
 - All metal substrates – 300 square feet per gallon (27.9 m²/3.8 L).
Dry film thickness: 2 – 3 mils.
 - Single-ply membranes, elastomeric coatings and smooth concrete – 500 square feet per gallon (46.5 m²/3.8 L).
Dry film thickness: 1 – 2 mils.
 - Smooth modified bitumen and BUR – 2 separate coats of 250 square feet per gallon (23.2 m²/3.8 L). Application of the second coat should be perpendicular to the first coat.
Dry film thickness: 2 – 3 mils.
 - Granular modified bitumen and BUR – 2 separate coats of 200 square feet per gallon (18.6 m²/3.8 L). Application of the second coat should be perpendicular to the first coat.
Dry film thickness: 3 – 4 mils.
- e. Allow to dry for a minimum of 6 hours. Dry time is dependent upon temperature and humidity. Apply Duro-Shield Silicone Roof Coating within 72 hours. If primer is exposed for greater than 72 hours, contact the Duro-Last Engineering Services Department for assistance.
- f. Where maximum solvent resistance is needed, apply 2 coats of primer a minimum of 2 hours apart and allow to cure for 48 hours at a daily temperature of 70° F (21° C) or higher. For 60° F (16° C) days, allow up to 1 week.

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.