

DURO-SHIELD™ 10 ACRYLIC ROOF COATING

DESCRIPTION:

Duro-Shield[™] 10 Acrylic Roof Coating is a 100% acrylic elastomeric roof coating formulated with a bleed blocker to help prevent bleed-through of underlying materials. It is designed to seal and protect various substrates when applied per the Duro-Shield Acrylic Roof Coating Installation Guide.

Duro-Shield 10 Acrylic Roof Coating can be used on the following roof substrates, after surface preparations have been completed:

- Single-ply membranes:
 - Duro-Last® PVC (polyvinyl chloride)
 - o Other PVCs
 - o EPDM (ethylene propylene diene monomer)
 - Hypalon[®] CSPE (chlorosulfonated polyethylene)
- Metal
- Mineral and granule-surfaced built up (BUR) and modified bitumen
- Smooth-surfaced built up (BUR) and modified bitumen
- Wood

Duro-Shield 10 Acrylic Roof Coating <u>cannot</u> be used over TPO (thermoplastic polyolefin) whether it is primed or not.

ORDERING:

- 5-gallon pails (Item #4022)
- 55-gallon drums (Item #4023)
- 250-gallon totes (Item #4024)

STORAGE AND HANDLING

- Protect product from freezing.
- Product must not be shipped in temperatures less than 40° F (5° C).
- Store product between 60° F (16° C) and 80° F (27° C), out of direct sunlight, for maximum shelf life. Shelf life is one year in an unopened container, from date of manufacture, when following these recommended storage procedures.



PRECAUTIONS:

- Read Safety Data Sheets (SDS) prior to using.
- 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.
- Do not expose closed containers to extreme heat.
- Keep away from children.

DURO-SHIELD 10 ACRYLIC ROOF COATING PROPERTIES			
Weight	56.75 lb. / 5-gallon		
Color	Brilliant white		
Gloss	Low sheen		
VOC Content	49.5 g / L		
Solar Reflectance	0.838		
Thermal Emittance	1.05		
Viscosity	120 – 125 ku at 75° F		
Total Solids	63.70% (by weight) – 50.30% (by volume)		
Resin	Acrylic emulsion		
Odor	Non-descript		
Flash Point	> 212° F		
Elongation Factor	To Be Determined		
Dry Time 75° F and 50% relative humidity	Touch	_	1 to 2 hours
	Recoat	_	24 hours
	Full cure	_	5 to 7 days

INSTALLATION:

1. General

- Only apply product when the ambient temperature is between 50° F (10° C) and 95° F (35° C). Product must be stored between 60° F (15° C) and 80° F (26° C) for 24 hours prior to installation.
- Do <u>not</u> apply when rain, cold or nightfall are imminent. Relative humidity must be below 80%.
- In extreme hot, windy, or dry conditions, wet the surface to be coated with a fine mist of clean water just before applying Duro-Shield 10 Acrylic Roof Coating.
- 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 acrylic products. Wind-blown over-spray may damage property adjacent to the project site.

2. Substrate Preparation

Repair the substrate by following Substrate
 Preparation instructions within the Duro Shield Acrylic Roof Coating 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 the Duro-Shield Acrylic Roof Coating Installation Guide.

4. Seam Treatment

 Repair all horizontal and vertical seams by following Seam Treatment instructions within the Duro-Shield Acrylic Roof Coating Installation Guide.

5. Priming

 Follow Priming instructions within the Duro-Shield Acrylic Roof Coating Installation Guide.

6. Coating

 Stir until an even consistency is achieved. A slow-speed drill with mixer attachment is recommended.

b. 5-Year Warranty Application

 Apply single coat at rate of 2 gallons (32 wet mils) per 100 square feet. Allow to dry completely. A minimum thickness of 16 dry mils must be achieved.

c. 10-Year Warranty Application

- a. Apply base coat at rate of 1.5 gallons (24 wet mils) per 100 square feet. Allow to dry completely. A minimum thickness of 12 dry mils must be achieved for the base coat.
- b. Apply a second (top) coat perpendicular to the base coat at rate of 1.5 gallons (24 wet mils) per 100 square feet. Allow to dry completely. A minimum thickness of 12 dry mils must be achieved for the top coat. Total application thickness will be 24 dry mils.

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.