

DURO-SHIELD™ 20 ACRYLIC ROOF COATING

DESCRIPTION:

Duro-Shield™ 20 Acrylic Roof Coating is a 100% acrylic elastomeric roof coating that provides a heavy-duty coating for superior longevity. It is designed to seal and protect various substrates when applied per the Duro-Shield Acrylic Roof Coating Installation Guide.

Duro-Shield 20 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)
 - Other PVCs
 - 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 20 Acrylic Roof Coating **cannot** be used over TPO (thermoplastic polyolefin) whether it is primed or not.

ORDERING:

- 5-gallon pails (Item #4026)
- 55-gallon drums (Item #4027)
- 250-gallon totes (Item #4028)

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 20 ACRYLIC ROOF COATING PROPERTIES			
Weight	59.40 lb. / 5-gallon		
Color	Brilliant white		
Gloss	Low sheen		
VOC Content	To Be Determined		
Solar Reflectance	0.838		
Thermal Emittance	0.97		
Viscosity	115 – 120 KU at 75° F		
Total Solids	66.20% (by weight) – 55.81% (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 **not** 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 20 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

- 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.
- 20-Year Warranty Application
 - Apply base 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.
 - Polyester Reinforcement Fabric must be laid into the base coat at all seams, transitions, or flashings while it is still wet.
 - Apply a second (top) coat perpendicular to the base coat at rate of 1.75 gallons (28 wet mils) per 100 square feet. Allow to dry completely. A minimum thickness of 17 dry mils must be achieved for the top coat. Total application thickness will be 33 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.