

DURO-SHIELD® ACRYLIC REINFORCED MASTIC

DESCRIPTION:

Duro-Shield® Acrylic Reinforced Mastic ("Acrylic Mastic") is a flashing-grade, standalone, fiber-reinforced, acrylic roof mastic designed to be installed in a single application, without additional reinforcement, prior to applying Duro-Shield primers and coatings.

Fabric may be included for additional reinforcement at angle changes or irregularly shaped penetrations, if desired.

- Do **not** apply Acrylic Mastic to silicone roof coatings.
- Do **not** apply to gravel-surfaced built-up roofs ("BUR").
- Not intended for low-slope applications.

Acrylic Mastic is a thick material which can be used to correct surface cracks, control joints, coping joints, gutter seams, membrane pinholes, rain collars, and fish mouths with the following roof substrates:

- Aluminum
- Galvanized metal
- Aged asphaltic membranes
(Asphaltic roofing systems must be primed with Duro-Shield Roof Primer: Asphalt Bleed Block, to prevent discoloration.)
- Single-ply membranes
- Sprayed polyurethane foam ("SPUF")

Other substrates may require the use of an approved primer.

Adhesion tests are recommended to determine primer requirements and to confirm proper bonding.

Refer to primer product data sheets ("PDS") for individual product use instructions.

ORDERING:

Refer to the Duro-Shield Acrylic Roof Coating Installation Guide located on the [Duro-Last website](http://duro-last.com) for additional application guidelines.

- 5-gallon (18.9 L) pails – White
(Item #425005)

PRECAUTIONS:

- **KEEP AWAY FROM CHILDREN.**
- Do **not** expose closed containers to extreme heat or cold.
- Use **only** outdoors or in well-ventilated areas.
- Keep container tightly closed when not in use.
- Read Safety Data Sheets ("SDS") prior to using. SDS can be found on the [Duro-Last website](http://duro-last.com).
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
- Avoid breathing vapors.
- Avoid release to the environment.
- Keep away from edible substances and potable water storage systems.



STORAGE AND HANDLING:

- Product must not be shipped in temperatures colder than 40° F (5° C).
- Do **not** allow product to freeze.
- Do **not** paint or cover with unapproved products.
- Some separation may occur after extended storage. Mix thoroughly before use.
- Store in tightly closed container.
- Store away from incompatible materials.

Shelf Life:

2 years from date of manufacture when stored in original, unopened container between 50° – 110° F (10° – 43° C).

DURO-SHIELD ACRYLIC REINFORCED MASTIC PROPERTIES		
	Test Method	Results
Color	–	White
Solids by Weight	ASTM D1644	65%
Solids by Volume	ASTM D2697	51%
VOC Content	EPA Method 24	< 6.7 oz/gal (< 50 g/L)
Consistency	–	Thick, trowellable material
Flash Point	ASTM D93	> 200° F (> 93° C)
Tensile Strength	ASTM D412	192 psi (1.32 MPa)
Elongation at Break	ASTM D412	350%
Tear Resistance (Die C)	ASTM D624	102 lb/in. (1.8 kg/mm)

INSTALLATION:**1. General**

- Do **not** apply when rain, cold, or nightfall are imminent.
 - Do **not** use under water or below grade.
 - Do **not** thin this product.
 - Do **not** use over gravel-surfaced BUR.
 - Not intended for low-slope applications.
 - Use **only** outdoors or in well-ventilated areas.
 - Keep product above 65° F (18° C) prior to installation.
 - Acrylic Mastic is UV stable; topcoat is not required.
 - Keep away from edible substances and potable water storage systems.
- NOTE: Do not apply to substrates below 50° F (10° C) or above 110° F (43° C).

2. Substrate Preparation and Cleaning Procedures

- Refer to instructions within the appropriate Duro-Shield Roof Coating Installation Guide, located on the [Duro-Last website](#), for substrate preparations, cleaning procedures, and seam treatments.

3. Priming

- Follow Priming instructions within the Duro-Shield Acrylic Roof Coating Installation Guide located on the [Duro-Last website](#).

4. Application

- Mix with a mechanical mixer to ensure uniform color and consistency prior to application.
- Use a putty knife, trowel, brush, or roller to apply product to fasteners, cracks, and voids.
- Apply Acrylic Mastic at a minimum rate of 1/8-in. (3-mm) thickness.
 - Approximate coverage rate:
 - 4-inch wide (102-mm)
 - 64-wet mil (1.6-mm) depth Wet Film Thickness (WFT)
 - 70 LF/gal (5.6 LM/L)
 - Fasteners should be completely encapsulated
 - Eliminate any voids and air pockets
- Spread the Acrylic Mastic over the surface to cover at least 4 in. (102 mm) in all directions from the affected area.
- Joint dimensions should not exceed 1/4 x 1/2 in. (6 x 13 mm).
- Use polyethylene backing rod for depths exceeding 1/2 in. (13 mm).
- If re-coating is needed, wait 1 – 2 hours for the first coat to dry.
- Acrylic Mastic will be tack-free in 4 – 6 hours.
 - Fully cured in 40 hours.

CLEANUP:

Clean uncured product, tools, and equipment with soap and water immediately after application.