

U-ANCHOR™ U1400

For Mechanically Fastened Systems

DESCRIPTION:

The U-Anchor™ U1400 is a single-bolt attachment designed for lightning arrester systems with all Duro-Last®, Inc. membranes. Each bolt is secured to a 1000 series plate and factory-welded to a square membrane skirt.

The plate can be mechanically fastened to the deck/parapet with fasteners approved by a project engineer and the membrane skirt is welded to the deck/parapet membrane with a continuous 1-1/2 inch weld for waterproofing.

TYPICAL USES:

- Lightning arrester anchor

PRODUCT SPECIFICATIONS:Bolt

- 3/8" – 16 x 1.5"
(Diameter) – (Thread Count) x (Bolt Length)
- Material Type: 304 stainless steel

Plate

- Outer Dimensions: 3.625" x 3.625"
- Fastener Hole Diameter: 0.234" (4 holes)
- Fastener Hole Pattern: 3.560" diameter
- Material Thickness: 0.039"
- Material Type: galvanized steel G90

Membrane Skirt

- Dimensions: 9.75" x 9.75"
- Type: 50 mil Duro-Last* **
- Color: white*

* Custom options may be available for an additional charge.
Lead times may vary.

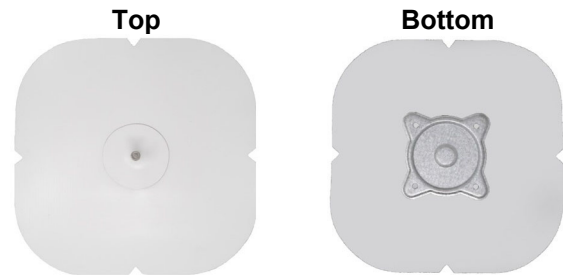
****Do not use Duro-Last EV membrane with any other membrane type.**

ORDERING:

U1400 can be ordered individually.

- Product as listed above (Item #1242-250)***
 - Weight: 0.36 lb.

*** Refer to Product Specifications for custom options.

**STORAGE AND HANDLING:**

- Store product out of direct sunlight on elevated pallets.
- Always store in a dry location protected from the elements.

PRECAUTIONS:

- Wear proper personal protective equipment, such as gloves and eye protection.

INSTALLATION:

1. U1400 Attachment
 - a. Fastener selection and quantity are dictated by the system assembly, attachment requirements, deck/parapet type, and the project engineer.
 - b. Utilizing the holes provided, mechanically fasten the plate with the specified type and quantity of fasteners to the deck/parapet or structure.
 - c. Hot-air weld the membrane skirt to the deck/parapet membrane with a continuous 1-1/2 inch weld.

2. Equipment Attachment
 - a. To securely mount rooftop equipment to the U1400, after it is installed, the connection nut must be fastened to approximately 20 – 25 ft/lb. Use a calibrated torque wrench during installation to ensure appropriate results are achieved.

PLATE LOAD RATING ¹	
Ultimate Load – Sheer	3,381 lb.
Ultimate Load – Tension	2,028 lb.

¹ Tested in accordance with ICC-ES AC408 Section 3.2

¹ Results are based on performance of the bolt and plate assembly only.

DISCLAIMER:

Performance of all U-Anchor products is dependent on the number of fasteners used, fastener capacity, fastener pull out value, and physical properties of all roof assembly components present under the U-Anchor plate.

The installing contractor is solely responsible for installation conditions and load capacities of U-Anchor assemblies. Duro-Last Quality Assurance Technical Representatives will inspect for water-tightness of the Duro-Last Roofing System only.