

Anchor Products® U-Anchors®

Anchor Products U-Anchors are a lightweight, high-strength attachment solution designed to provide a quick and reliable method for securing rooftop components directly to the roof deck without complex detailing or compromising the roof system's watertight integrity. When properly installed, U-Anchors deliver a durable, leak-proof attachment point capable of supporting a wide range of rooftop components while eliminating attachment methods and conditions that could otherwise compromise warranty eligibility.



FEATURES AND BENEFITS

- » Versatile – can be mounted horizontally or vertically and can be used for a multitude of different anchoring and attachment applications including:
 - PV systems
 - Guy wire tie downs
 - Snow retention systems
 - HVAC system mounting and anchoring
 - Railing systems
 - Electrical box mounting
 - Replacement for wood sleepers when used with steel strut channel
- » Available with all CCM membranes in all available colors in 60-mil standard thickness
- » International Building Code (IBC) compliant – areas that have adopted the 2018 or newer editions of the IBC require that all rooftop components be bolted, welded, or otherwise positively fastened to the supporting structure
- » Extremely strong – features $\frac{3}{8}$ " threaded 304 stainless steel bolt(s)
- » Easy installation – takes less than 5 minutes
- » FM 4481 approved for roof mounted equipment
- » Included in CCM Total System Warranties up to 30 years
- » Limited material warranty provided up to 30 years (to match roof system warranty)
- » Made in the USA

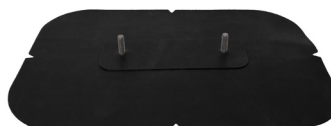
AVAILABLE MODELS

U2400



U2400 features a single $\frac{3}{8}$ " threaded 304 stainless steel bolt factory welded to a 5.5" diameter G90 galvanized steel plate. Membrane flashing is 11.75" (298.45mm) x 11.75" (298.45mm).

U3400



U3400 features two $\frac{3}{8}$ " threaded 304 stainless steel bolts factory welded to a 5.5" x 11" G90 galvanized steel plate. Membrane flashing is 11.75" (298.45mm) x 17.5" (444.5mm).

U3400 anchors provide additional strength for anchoring items such as snow retention systems, railing systems, equipment screens, etc.



ADDITIONAL PRODUCT, DESIGN, AND WARRANTY INFORMATION

- » All U-Anchors come standard with 60-mil flashing
- » Thermoplastic (TPO and PVC/KEE HP) anchors are supplied with flashing that is factory induction-welded to the anchor plate. After the anchor is fastened in place, the flashing is welded to the primary roof membrane using applicable heat welding technique.
 - 80-mil flashing is available upon request.

Note: 80-mil flashing is required for 25/30-year warranties

 - For TPO anchors, cut edge sealant should be used around the flashing following standard detailing.
- » EPDM anchors are only available with 60-mil pressure-sensitive flashing.
 - Pressure-sensitive flashing material must be field applied over the plate after the plate is secured and the target area is primed using approved priming procedure.
 - For 25- and 30-year warranties, standard 60-mil pressure-sensitive flashing must be used. However, the flashing seams must then be stripped in with 6" pressure-sensitive Elastoform flashing, centered over the seam so that approximately 3" extends onto the roof membrane and 3" extends onto the U-Anchor flashing.

- » #14 or #15 fasteners are typically used to fasten anchors through the roof system and into the roof deck. The type and number of fasteners required must be determined by the system designer based on project-specific loads and conditions.
- » If U-Anchor flashing is installed over a membrane seam creating a T-Joint, applicable CCM universal T-joint detailing must be followed.
- » Wood or other approved structural blocking may be required beneath U-Anchors, in place of insulation, where the weight of the supported component or anticipated loads could compress or damage the underlying insulation. The need for blocking is a design consideration to be determined by the system designer or engineer of record and is not a requirement of the Carlisle Total System Warranty.
- » When installing U-Anchors over metal retrofit systems, it is important to understand the gauge thickness of the existing metal roof. Since most existing metal roofs utilize thin-gauge materials, U-Anchors should be positioned to align with the underlying purlins. Because purlins are typically narrow, a minimum of two fasteners should be installed into each purlin, with additional fasteners installed into the metal deck for supplemental support.
- » When installing U-Anchors over cementitious wood fiber, thin gauge steel, or gypsum roof decks, SFS TPR Peel Rivets are recommended. However, a fastener pull test is recommended to evaluate project-specific field conditions and confirm attachment performance.

**For additional information,
including the specification,
details, product data sheet,
and installation guides, visit:
[Carlisle SynTec – Anchor Products:](#)**

