

SureTite™ Prefabricated Cleat

Since 1989, there has been increased focus on Edge Metal. Hurricane Hugo and Hurricane Andrew sparked awareness of the connection between the metal edge systems and performance of the roofing system during severe wind events. Investigations from RICOWI, Texas Tech and Factory Mutual (FM) studying roof damage after major hurricanes concluded that 60% of the roof failures were due to compromised metal edge systems. FM Global estimated that 75% of all losses were related to roof failure. ANSI/SPRI developed the ES-1 testing and certification program to help ensure that metal edge systems are designed to meet performance standards necessary to protect the roof system during high wind events. In 2003, The International Building Code (IBC) added the requirement for an ES-1 Certified Edge System into their code. Although all states have adopted the 2003 (or later) IBC Code, many low-sloped roofing systems have been installed without the proper ES-1 certified Metal Edge system. Carlisle's prefabricated cleat ensures you meet building code and have the right cleat for long term performance.

ENHANCED RELIABILITY

The cleat is the most critical component to ensure proper termination of the roof system. Carlisle offers prefabricated cleats that ensure compliance to ES-1. Our cleats are fabricated using state of the art automated equipment, offering consistent fabrication and reliable roof system performance.

AVAILABLE WARRANTIES

Carlisle SynTec Systems currently offers an ES-1 Certification program for Carlisle Authorized Applicators to shop fabricate an ES-1 compliant edge system. Carlisle's SureTite Snap-On Fascia Cleat and SureTite Drip Edge Cleat meet ES-1 requirements. Below are the warranty options for Carlisle's prefabricated cleat options based on the contractor's ES-1 certification status:

Carlisle's SureTite Prefabricated Cleat vs. Field Fabricated Cleat

	SureTite Prefab Cleat	Field Fab Cleat
ES-1 compliant	✓	✗
Labor saving	✓	✗
Consistent manufacturing	✓	✗
Loaded with roof material	✓	✗
Included in the warranty	✓	✓
High windspeed coverage	✓	✗
Pre-punch holes for fastener spacing	✓	✗
12' Lengths	✓	✗

	Carlisle Authorized Applicators
Warranty Duration	Up to 20 years
Windspeed Warranty	Up to 90 MPH

BENEFITS OF CARLISLE'S SURETITE PREFABRICATED CLEAT OPTIONS



Convenience

- » Each bundle of cleats comes with all the fasteners needed to install the cleat
- » Readily available through Carlisle-approved distributors
- » Can be top loaded with roofing materials for direct-to-job shipments, allowing the contractor to quickly dry in the roofing system and eliminating costly LTL shipping
- » Allows contractor to choose the best option for the cover piece: shop fabricated, local metal fabrication, or prefab cover piece from Carlisle



Value

- » Cleats are sold in bundles of 10 to reduce waste
- » Prefabricated cleats eliminate the need to field fabricate, saving valuable labor resources
- » Contractor does not have to pay an annual fee for ES-1 certification or complete a burdensome certification process to offer an ES-1 edge system
- » Snap-on cleat eliminates the need to strip-in edge metal
- » Offered in variety of sizes to meet most nailer heights



Performance

- » Offers increased wind warranties
- » Consistent manufacturing ensures each cleat will be bent according to standards and specifications
- » The Metal Edge system can be included in the Total System Warranty
- » Provides an ES-1 certified metal edge system per The International Building Code (IBC)

SureTite Product Offerings

	Drip Edge	Gravel Stop	Flat Coping	Snap-On Fascia	Tapered Coping
Cleat Type	SureTite Drip Edge Cleat	SureTite Drip Edge Cleat	SureTite Drip Edge Cleat	SureTite Snap-on Fascia Cleat	SureTite Snap-On Fascia Cleat
Cover Material	22 Ga. Galvanized Steel	22 Ga. Galvanized Steel	22 Ga. Galvanized Steel	22 Ga. Galvanized Steel	22 Ga. Galvanized Steel
Cover Sizes	3", 5", 6", 7"	4", 6", 7", 8"	3", 5", 6", 7"	4.75", 6.25", 7.75"	4.75", 6.25", 7.75"
Fasteners	1.5" Ring Shank Nails (24 per ft.)	1.5" Ring Shank Nails (24 per ft.)	#9 Screws (12 per ft.) and 1.5" Ring Shank Nails (12 per ft.)	#9 Screws (12 per ft.)	#9 Screws (24 per ft.)
Testing	Up to 168 psf (Horizontal)	Up to 106 psf (Horizontal)	Up to 66 psf (Horizontal)/ 110 psf (Vertical)	Up to 95 psf (Horizontal)	Up to 67 psf (Horizontal)/ 107 psf (Vertical)