



BASIC INSTALLATION INSTRUCTIONS

Installation is simple with Needle Guard:

1. Needle GuardTM has been manufactured for any easy, one-person installation. Before you begin, make sure all gutters, downspouts, and underground drain lines are clean, running freely and angled properly. The type of roof will determine how Needle GuardTM will be installed. Either a fascia mount or under the 1st or 2nd row of shingles. Needle GuardTM will work on residential gutters ranging from 5" to 6", including box gutters and roof pitches from flat to 15/12. Needle GuardTM comes in 5' sections and has a 1" built-in overlap so you can easily connect to your next piece of Needle GuardTM. Needle GuardTM mounts easily onto the front of the gutter.
2. *A.* To install Needle GuardTM **under the shingle**, take a 12" drywall knife and slide it under the second row shingle to loosen the tar seal. Once you have loosened the seal, determine the angle of the bend that you will need to install Needle GuardTM. (On a 4/12 or 5/12 pitch roof a bend is generally not required.) Most roof pitches require a metal brake bend if you chose to install Needle GuardTM under the shingles. The back of the product should lay flat on the roof and the product should have a 1/2" to 1" downward pitch. Once the proper brake has been determined, start your installation working right to left when installing from a ladder (left to right when installing from the roof.) Insert 1/2" zip screws through the flat area behind the front weir of the product and into the lip of the gutter, placing the screws approximately 1 foot apart. Then insert the 1 1/4" deck screws into the back of the product into the roof, positioning them approximately 2 to 4 inches down from the top of the product, placing them about a foot apart. After the entire installation is complete, using a sealant such as Geocel, place a small dab of sealant on the head of each deck screw to prevent any possible leaking.
- B.* To install Needle GuardTM **on the fascia**, measure the width of the gutter from the lip to the back. For instance, if it is a 6" gutter, you measure 6" from the nose of Needle GuardTM and mark. From the 6" mark, you measure an additional 3/4", making your total measurement 6 3/4". Cut Needle GuardTM at the 6 3/4" mark, depending on how much clearance there is from the back of the gutter to the roof edge. Bend Needle GuardTM up at a 90-degree angle. Once this is complete, screw into the fascia through the 90-degree angle, then screw to the lip of the gutter, remembering to make sure there is a slight downward pitch.