

HIP ROOFS

Installation Instructions



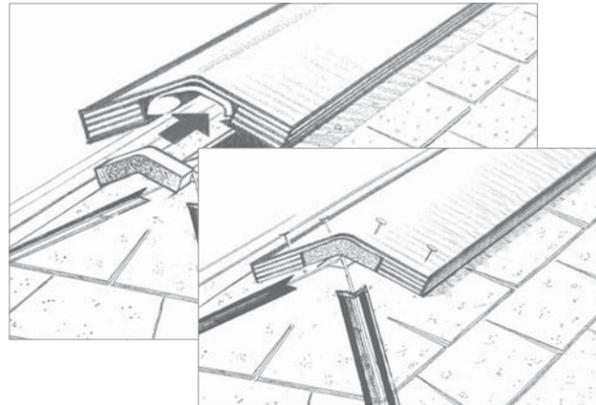
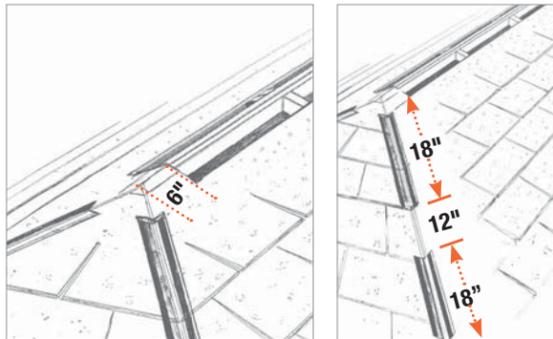
PRODUCT TO USE:

INSTALLATION

ONE

1. Hip and Ridge Ventilation Slot Preparation

Determine how long of a hip and ridge ventilation slot will be required according to 1:300 rule. The ridge and hip ventilation slot may be pre-cut on a new roof before or after shingle installation or in a retrofit, the slot can be cut from the pre-shingled roof using a circular saw with a carbide tip blade (protective eye goggles should be worn during this process). Start ridge ventilation slot 6" from point where hip and ridge meet. For 5/8" profile vents, cut a 2" slot (1" on each side of ridge) along the ridge(s). For a roof with a center beam, a 3 1/2" slot should be cut (1 3/4" on each side of ridge). For 1" profile vents, cut a 2 1/2" slot (1 1/4" on each side of ridge). For center beam applications a 4" slot should be cut (2" on each side of ridge). If entire ridge requires ventilation, stop ventilation slot 6" from point where hip and ridge meet. To maintain structural integrity, one continuous slot is not recommended on hip applications. Start ventilation preparation by leaving 6" of hip uncut from where the ridge and hip meet. Cut a 3 1/2" wide slot for ventilation. Hip slot should be 18" in length, spaced with a 12" uncut area between each 18" opening. The slot for ventilation should not be cut any lower than the top 1/3 of the roof to maintain a balanced ventilation system.

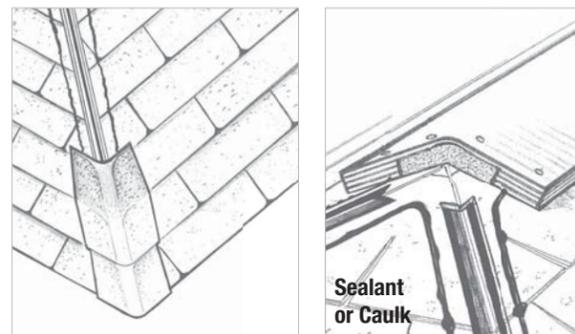


we require that a bead of sealant be applied to the roof shingles before installing the vent on the ridge. This sealant should fill any voids between the bottom of the vent and the surface of the shingle. Use either butyl sealant conforming to ASTM C1085, latex sealant conforming to ASTM C834, silicon sealant complying with ASTM C 920 or asphalt roofing cement complying with ASTM D4586.

TWO

2. End Cap Installation

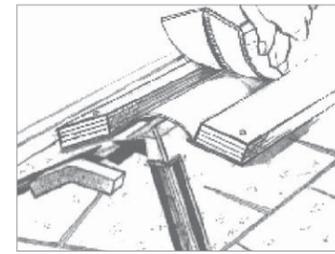
Pull apart a pre-cut section of the foam end cap found with the vent. Using a utility knife, make a cut in the StormStop® material 1/2" on each side, back from the end of the section. Using construction adhesive or sealant caulk, coat both sides of the StormStop material where it has been cut back at the end of the vent. Insert the foam end cap with the cut-back StormStop material between the foam end cap and the underside of the vent to assure a weather-tight seal. Because of the popularity of dimensional roofing material such as 40/50 year and lifetime laminated shingles,



THREE

3. Vent Placement on Ridge

Attach vent to the roof deck by driving a nail in each of the two corners on both ends of the vent. Also, drive two nails through the vent and foam end cap to hold foam in place on the ends of the ridge only. Nails should penetrate the wood roof deck at least 3/4". It is not recommended to nail vent to ridge prior to cap shingle installation. Because of the popularity of dimensional roofing material such as the newer 40/50 year and lifetime laminated shingles we require that a bead of sealant be applied to the roof shingles, before installing the vent on the ridge. See step 2 for recommended sealants.



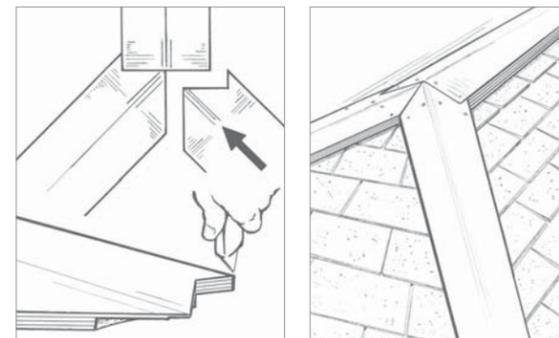
(Vent Placement On Ridge Continued) Roll out or place vent along the entire length of slot also covering the 6" minimum uncut ridge on both ends. When using R-Series (Rigid Roll) products, secure at the lead edge after inserting the end cap. Shape vent in V Shape. Pull the vent tight and secure at about 10 feet. Pull the rest of the vent tight and secure, inserting the end cap. Multiple lengths of vent can be joined by butting the sections tightly together. End cap should be inserted at the beginning and end of each section.

FOUR

4. Vent Placement on Hip

Install a minimum of 2 cap shingles at the bottom of the hip. If the vent is not being run the entire length of the hip, the vent should overlap a minimum of 2 cap shingles at the end of the vent. Before installing the vent on the hip, lay a bead of sealant on each side of the pre-cut slots. This will create a seal on the step created by overlapping pattern of the shingles. The bead of sealant should be applied approximately 1" from the edge of the pre-cut slot.

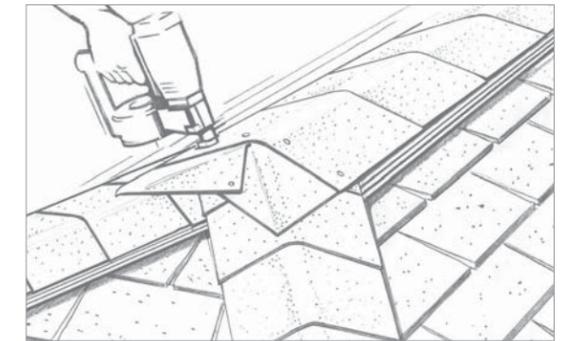
Note: For "Class A" Installation Only
For "Class A" Quarrix vent installation, follow steps 1, 2, 3 as stated above. Once the vent has been installed, use a utility knife with a hook blade and remove the corrugated plastic center section of the vent. Do this for the hip and ridge. This modified installation meets the requirements for UL790 "Class A"; standard installation meets the requirements for UL790 "Class C." Follow remaining steps 4, 5, 6 as stated.



FIVE

5. Hip and Ridge Vent Transition

Using a utility knife, trim the end of the vent from the hip to the ridge. This creates the most attractive ridge and hip line. Insert the foam end cap under the ridge vent where it is at full width. Fasten vent for hip at point where it meets ridge. Roll out or place the vent all of the way down the hip, covering 2 pre-laid cap shingles at the bottom of the hip. Go back over hip vents and fasten at 4" intervals. If the vent is not being run the entire length of the hip, use the cap shingles to create a transition. Use sealant to fill any void left between the shingles and the remaining top layer of the vent. Be sure to apply roofing sealant to any spaces left by cap shingle used for transition. If 2 or more sections of ridge vent are being joined together, an end cap MUST be installed into each end of the joining sections. Repeat on all hips.



SIX

6. Cap Shingle Installation

Apply the cap shingles to the hip and then to the ridge. Nail hip and ridge caps with roofing nails in a common overlapping pattern. Nails should penetrate the wood roof deck at least 3/4". For fastest installation, a coil nail gun can be used as long as the minimum 3/4" penetration into the deck is maintained. It is important when installing this vent that you maintain the pitch of the roof. The vent has been installed properly if the bottom of the vent is flat on the roof and the peak is slightly rounded.

