Roof System Components - Frequently Asked Questions (FAQs)

Vented Eave Risers

Q: What are the dimensions, height and width of the metal eave risers?

A: The dimensions of our metal eave risers vary depending on the tile profile they are manufactured to fit and the installation method. Nearly all are approximately 10 feet long and most will fit 9 to 10 tiles. Standard height eave risers for most concrete tiles are 1.5" from the roof deck to the top edge at the valley or lowest area where the tile rests on the eave riser. When tiles are installed on Boral’s Elevated Batten System™ (EBS) as part of Boral’s Energy Efficient Roof System, the Vented Eave Risers selected will be slightly taller for the best fit and angle of the eave tiles to the rest of the roof.

<table>
<thead>
<tr>
<th>Tile Profile</th>
<th>Height at tallest point</th>
<th>Deck Flange Width</th>
<th>Length</th>
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</thead>
<tbody>
<tr>
<td>España w/EBS</td>
<td>4 7/8&quot;</td>
<td>1 1/2&quot;</td>
<td>9'8&quot;</td>
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<tr>
<td>España</td>
<td>4 3/16&quot;</td>
<td>1 1/2&quot;</td>
<td>9'8&quot;</td>
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<tr>
<td>Barcelona 900 w/EBS</td>
<td>4 3/4&quot;</td>
<td>1 1/2&quot;</td>
<td>10'</td>
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<tr>
<td>Barcelona 900</td>
<td>4&quot;</td>
<td>1 1/2&quot;</td>
<td>10'</td>
</tr>
<tr>
<td>Madera / Cedarlight®</td>
<td>7/8&quot;</td>
<td>2 1/8&quot;</td>
<td>10'</td>
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<tr>
<td>Mission S</td>
<td>3 7/8&quot;</td>
<td>1 1/2&quot;</td>
<td>10'</td>
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<tr>
<td>Saxony® w/EBS</td>
<td>2 1/4&quot;</td>
<td>1 1/2&quot;</td>
<td>10'</td>
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<tr>
<td>Saxony® w/o EBS or Madera w/EBS</td>
<td>1 1/2&quot;</td>
<td>1 1/2&quot;</td>
<td>10'</td>
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<tr>
<td>Spanish S Nuevo</td>
<td>1 1/2&quot;</td>
<td>1 1/2&quot;</td>
<td>9'9&quot;</td>
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<tr>
<td>Tejas España</td>
<td>4 1/8&quot;</td>
<td>1 1/2&quot;</td>
<td>9'3&quot;</td>
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<tr>
<td>Vanguard® Roll</td>
<td>2 3/4&quot;</td>
<td>1 1/2&quot;</td>
<td>9'10&quot;</td>
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<tr>
<td>Villa w/EBS</td>
<td>3 13/64&quot;</td>
<td>1 1/2&quot;</td>
<td>9'10&quot;</td>
</tr>
<tr>
<td>Villa (vented only)</td>
<td>3&quot;</td>
<td>1 1/2&quot;</td>
<td>9'10&quot;</td>
</tr>
<tr>
<td>Villa (not vented only)</td>
<td>2 9/16&quot;</td>
<td>1 1/2&quot;</td>
<td>9'10&quot;</td>
</tr>
<tr>
<td>Villa 900</td>
<td>2 10/32&quot;</td>
<td>1 1/2&quot;</td>
<td>10'2&quot;</td>
</tr>
<tr>
<td>Clay S Tile</td>
<td>3 5/8&quot;</td>
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<td></td>
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<tr>
<td>ClayMax</td>
<td>1 5/8&quot;</td>
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<tr>
<td>T-Metals (Eave Riser w/ Drip Edge)</td>
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<tr>
<td>Saxony®, Madera w/EBS</td>
<td>1 1/2&quot;</td>
<td>1 5/8&quot; - 2&quot;</td>
<td>10'</td>
</tr>
<tr>
<td>Madera / Cedarlight®</td>
<td>7/8&quot;</td>
<td>2&quot;</td>
<td>10'</td>
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Q: What does the vent on the metal eave risers look like?

A: Boral’s Vented Eave Risers are vented with special cut hole patterns through the face of the eave risers to allow free air flow ventilation into the roof system under the tiles. The shape and style of the vent patterns depends on the profile of tiles installed. The high profile S-shaped tiles have a large ‘sunburst’ shaped pattern and the medium profile Villa tiles have a smaller ‘sunburst’ shaped pattern. The flat profiled tiles of slate have repeating slots. You can see these various patterns of vents on the cover of our Vented Eave Riser brochure at http://www.boralna.com/roofcomponents/components%20pdf/Vented%20Eave%20Riser-1-12.pdf.

Q: Which eave risers have the ‘sunburst’ design?

A: All our Vented Eave Risers designed to fit our high and medium profiled tiles have the sunburst design. These profiles include Barcelona, Espana, Barcelona 900, Villa, Villa 600 and Villa 900, and Vanguard Roll.
**Underlayments**

**Q:** How long may underlayments be exposed before the final roof covering (tiles, metal, shingles, etc.) is installed?

A: Regardless of what underlayment is used, it is always recommended to cover it with the roofing material as soon as possible. Different underlayments vary in quality and durability and have different limitations of how long they may be exposed. Maximum exposure times for Boral’s underlayments are listed on our Underlayments Comparison Chart at [http://www.boralna.com/roofcomponents/pdf/components-underlayments-comparison-chart.pdf](http://www.boralna.com/roofcomponents/pdf/components-underlayments-comparison-chart.pdf).

**Q:** What do I do if my underlayment has been exposed too long?

A: If the underlayment has been exposed longer than allowed, it must either be removed and replaced with new underlayment or may be covered with new underlayment if the surface is smooth and free of defects. If covering over underlayment with a self-adhesive underlayment, additional restrictions or steps may be required per the installation instructions for the specific product(s) used.

**Q:** What are the mil thicknesses of Boral’s underlayments?


**Q:** Does Boral have ice and water shield underlayments that protect against ice damming?

A: Yes, Boral offers a selection of different self-adhesive underlayments that are ice and water shields that help to protect against leaks caused by ice damming. Boral's ice and water shield underlayments bond well to the roof deck with strong adhesive on the entire back surface of the underlayment. Boral's highest recommended product is Boral TileSeal™, an industry leading underlayment for tile and metal roofs. Preferred by roofing contractors for its strength, durability and 30 year limited manufacturer’s warranty. GatorSeal®, and Boral TileSeal™ 50 can also be used as ice and water shield underlayments. For more information about these and more of Boral's ice and water shield underlayments, visit our underlayment products page at [http://www.boralna.com/roofcomponents/components-underlayments-list.asp](http://www.boralna.com/roofcomponents/components-underlayments-list.asp).

**Hip & Ridge**

**Q:** How do I buy Zephyr Roll®, Zephyr Block or Figaroll®? What is the unit of measure?

A: Zephyr Roll, Zephyr Block and Figaroll are sold in individual rolls. They are packaged in boxes multiple rolls per box, but if you order 5 rolls, we’ll give you 5 rolls regardless of how many are in packaged in a box.

**Q:** Are any of your ridge vents Class A fire rated?

A: Class A ratings for roofing are for the assembly as installed with the only roof system component or accessory included being the underlayment. Other roof components or accessories, such as vents,
flashings, ridge vents, etc. are not included in the testing, therefore these products cannot be classified for fire. Boral’s RidgeVent has been tested to the Class A burning brand and intermittent flame tests and passed. The test results are on our RidgeVent web page at http://www.boralna.com/roofcomponents/components-ridge-vent.asp.

**Battens**

**Q: What is the coverage for a bundle of Elevated Batten System™ (EBS) Battens?**

A: Each bundle of battens is 96 linear feet. How much is needed for a roof depends on the tile profile and headlap. Below is a listing of EBS usage recommendations:

- **Monterey™ Shake, Cedarlite® & Madera tiles:**
  - 120 linear feet when courses are 9.25 to 10 inches (Each bundle equals 0.8 squares).
  - 130 linear feet when courses are less than 9.25 inches (Each bundle equals .738 squares).

- **All other tiles:**
  - 80 linear feet when courses are 13.3 to 14 inches (Each bundle equals 1.2 squares).
  - 90 linear feet when courses are 12.1 to 13.3 inches (Each bundle equals 1.016 squares).

Usage may vary depending on tile course layout and adjustments for roof size.

**Q: What is the unit of measure of EBS?**

A: EBS are measured in bundles. Each bundle contains 96 linear feet in total. EBS is available in 4 or 8 foot lengths, so the number of pieces per bundle is different because of the piece length. 4 foot long pieces are bundles 24 pieces per bundle. 8 foot long pieces are bundled in 12 pieces per bundle.

- **Coverage:** 96 lineal ft/bundle
- **Pcs/Bundle:**
  - 4’ long – 24 pieces
  - 8’ long – 12 pieces

**Q: Are your Elevated Batten System™ (EBS) battens pressure treated?**

A: Our standard purple colored EBS are not pressure treated, but they are dip treated with an Anti-Fungal/Anti-Mold treatment. Pressure treatment in most climates is often not necessary because elevating the batten above the roof deck prevents standing water to help prevent rotting the batten. We offer HiBor® pressure treated EBS in Hawaii to help protect against rot and termite damage. FirePro® Fire Retardant treated EBS are pressure treated with additional benefits to protect against fire. FirePro® EBS are backed by the Osmose® FirePro® 50 year limited warranty. To view the warranties and for more detail on EBS, visit the EBS web page at http://www.boralna.com/roofcomponents/components-elevated-batten.asp.

**Q: How many EBS are on a pallet?**

- **1"x2"x4’** 30 bundles (24 pcs/bundle)
- **1"x2"x8’** 54 bundles (12 pcs/bundle)
- **1"x3"x4’** 24 bundles (24 pcs/bundle)
- **1"x3"x8’** 36 bundles (12 pcs/bundle)
**Anti-Ponding Foam**

**Q. What are the dimensions of the Anti-Ponding Foam?**

A: Each piece of Anti-Ponding Foam is 4 feet long, 6 inches wide and 1 ½ inches tall.

**Q: What is the coverage of the Anti-Ponding Foam?**

A: To calculate how many pieces of Anti-Ponding Foam are needed, measure the total eave length of the roof in feet and divide that number by 4.

**Q: Which of the Gable End Wedges (Rubber Wedges) should I use?**

A: Gable End Wedges provide a more traditional shake or slate roof appearance at the gable ends. Monterey™ Shake, Cedarlite® and Madera premium wood shake tile products all use the same size Gable End Wedges. When installing these tiles on Elevated Batten System™ battens, simply cover the ends of the battens with a drip edge and install the Gable End Wedges onto the drip edge. Saxony Slate and Shake tiles have multiple sized wedges depending on how the tiles are installed--if installed with standard 1"x2" battens, with Elevated Batten System™ (EBS) battens or without any battens. Saxony Gable End Wedges for Direct Deck installation without any battens can be used with batten and EBS installations as well by covering the ends of the battens with a drip edge that laps over the fascia board at the rake or gable end.

**Q: What is the coverage of the Gable End Wedges (Rubber Wedges)?**

A: One Gable End Wedge is required for each course of tile at the gable end of a roof. For example, a simple roof that has a gable on each end and 25 courses of tiles on each side of the roof would require 100 Gable Wedges (25 courses x 2 gable ends x 2 slopes front and back). For ends of courses that run into a wall, hip or valley do not require Gable End Wedges.

**Q: What are the dimensions, height of the Ribbed Valley Metal?**

A: All Ribbed Valley Metals from Boral Roofing meet the code minimum 12” from the center to each outside edge. The center diverter ribs are a minimum of 1” tall. In Texas, Florida and the Southeast they are 1.5” and 3” tall due to higher volumes of rain and steeper roof slopes. The side ribs are 3/8” tall to elevate the tiles above the area of water flow. The ribs also are the perfect height to allow the Elevated Batten System™ Battens to run into the valleys while keeping the tiles at the same pitch as the rest of the roof with the best fit. All Ribbed Valley Metals are 26 gauge galvanized steel as required by code.

**Q. Which Ribbed Valley Metal is open hem or closed hem? What does that mean?**

A: Most Ribbed Valley Metals are closed hem where the outside edge of the metal is bent completely over to eliminate sharp edges for improved safety in handling and installation. Northern California customers believe an open hem where the outside edge is bent upwards instead of flat helps to prevent water from being diverted across the roof deck under the tiles. Open hems are not necessary, because the double ribs on each side help prevent the water from being diverted across the roof deck.

**Q. How do Ridge Riser® Brackets work?**

A: Ridge Riser® Brackets are used with a common nominal 2"x2" board to provide a more secure and easier to install hip or ridge nailer than the commonly toe-nailed 2”x4”, 2”x6”, or 2”x8” board. Instead of toe-nailing into the roof framing, the Ridge Riser Brackets are securely fastened to the roof decking and
standardize with a less expensive 2”x2” for all tile profiles. Each Ridge Riser Brackets are pre-scored to bend the legs outward to fit to the roof deck at the appropriate height for the tile profile being installed. By elevating the hip and ridge boards, the Ridge Riser Brackets also enhance airflow beneath the tiles when ridge venting—both from the attic space as well as the space between the tiles and roof deck with a Boral Efficient Roof System.

Q. What is the coverage of Ridge Riser® Brackets? How are they spaced?

A: Ridge Riser® Brackets should be spaced no greater than 24 inches apart. Fasten 2”x2” wood nailer to Ridge Riser Brackets with a #8 min ¾ inch screw or roofing nail. Note: Florida requires Ridge Riser Brackets be spaced no greater than 18 inches apart and fastened to the deck and 2”x2” wood nailer with screws only. For more details on how to install Ridge Riser Brackets, view our installation instructions at http://www.boralna.com/roofcomponents/components%20pdf/roof-concrete-install-ridge-riser.pdf.

If you don’t find the answer to your question, please contact us to ask your question by clicking on the Contact Us button above.