



FLORIDA APPROVED LOW PROFILE RIDGE VENTILATORS



Metallic Products' low profile ridge vents are aesthetically pleasing and an extremely efficient means of ventilating metal roofs. Each unit is manufactured in 10' lengths and can be installed as a single unit or can be butted together to form a continuous run. (End caps and splice kits shipped loose for field installation.) In continuous run applications, the splice kits provide the appearance of a single unit.



Low Profile Ridge Vent

NOTE

Please specify flat or die formed skirts, roof pitch and color when ordering.

| PRODUCT DESCRIPTION | SUB-FRAMING ATTACHMENT | SKIRT TYPE | FLORIDA APPROVAL NUMBER |
|------------------------------|------------------------|------------|-------------------------|
| Low Profile Ridge Ventilator | 16-gauge Steel | Flat | <u>12805.5</u> |
| | | Die Formed | <u>12805.10</u> |

SPECIFICATIONS

STANDARD SIZE

Each 10' unit features 180 square inches of free area with a base rating of 450 CFM of air movement. Units in lengths less than 10' can be manufactured upon request. Throat size is determined by roof pitch.

CONSTRUCTION

Unit is factory assembled and ready for installation. Vent features the Cor-A-Vent®, a time-tested, economical, self-cleaning and durable ventilation core. All steel parts are 24-gauge.

THROAT SIZE

(determined by roof pitch)

| PITCH | THROAT SIZE |
|-------|-------------|
| 1:12 | 4-1/8" |
| 2:12 | 4-1/8" |
| 3:12 | 4-1/8" |
| 4:12 | 4-1/8" |
| 5:12 | 3-1/2" |
| 6:12 | 2-7/8" |
| 7:12 | 4 5/8" |
| 8:12 | 4-1/8" |
| 9:12 | 3-1/2" |
| 10:12 | 3" |
| 11:12 | 2-9/16" |
| 12:12 | 2" |

DESIGN

Aerodynamic, low-profile design enhances the looks and performance of architectural roof systems. The unit moves toward the ridge on floating roofs. Vents are made to match roof slope to maintain low-profile appearance.

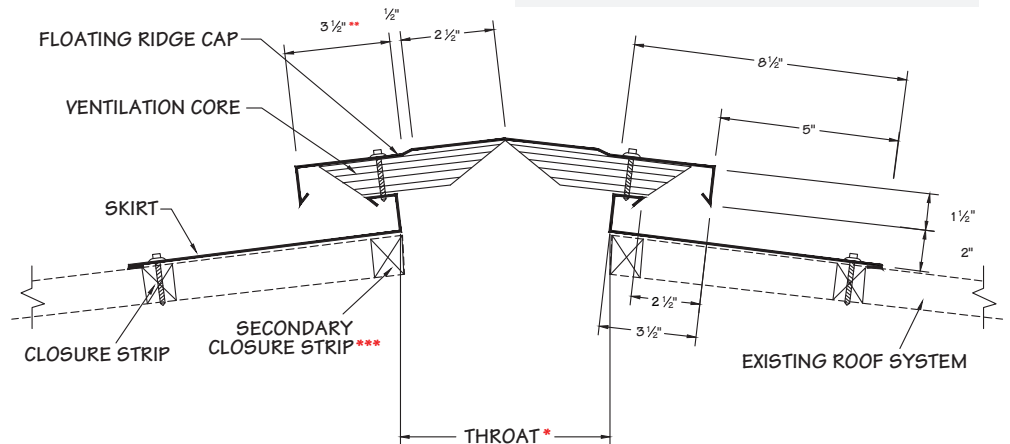
FINISH

Galvalume or Polar White finish is standard and other colors are available, including Kynar®.

* Throat varies with roof slope. (See table)

** This dimension changes to 5" on roof slopes 7:12 – 12:12.

*** Secondary closure at ridge is recommended at each skirt splice in a continuous run.



NOTE

Roof panel must extend to throat of vent for proper support and drainage.
End caps and splice kits (if necessary) are shipped loose for field installation.



TECHNICAL SPECIFICATIONS

TABLE A

| TEMPERATURE-HEIGHT FACTORS | | | | | | |
|----------------------------|------------------------|--------|--------|--------|--------|--------|
| HEIGHT | TEMPERATURE DIFFERENCE | | | | | |
| | 5° | 10° | 15° | 20° | 25° | 30° |
| 10' | 16.65A | 22.05A | 26.10A | 28.80A | 31.50A | 34.20A |
| 15' | 18.90A | 27.00A | 31.95A | 36.00A | 38.70A | 41.40B |
| 20' | 23.85A | 31.50A | 36.45A | 41.40A | 44.50B | 48.15B |
| 25' | 26.10A | 34.65A | 40.05A | 45.00B | 48.60B | 53.10C |
| 30' | 28.35A | 37.35A | 43.65B | 48.60B | 52.65C | 57.60C |
| 35' | 29.70A | 39.15B | 45.90B | 51.30B | 55.80C | 60.75C |
| 40' | 31.50B | 41.85B | 48.60B | 54.90C | 58.50C | 63.45C |
| 45 | 33.30B | 43.20B | 50.40B | 57.60C | 62.10C | 66.60C |
| 50 | 34.65B | 45.45B | 53.10C | 59.85C | 64.80C | 70.20D |

TABLE B

| WIND VELOCITY | | | | |
|---------------|---------|------|------|------|
| WIND (mph) | FACTORS | | | |
| | A | B | C | D |
| 3 | 1.14 | 1.09 | 1.05 | 1.02 |
| 5 | 1.25 | 1.18 | 1.13 | 1.09 |
| 7 | 1.41 | 1.29 | 1.22 | 1.16 |
| 9 | 1.62 | 1.43 | 1.33 | 1.25 |
| 11 | 1.82 | 1.57 | 1.43 | 1.32 |

TOTAL CFM = (Table A) x (Table B) x Length

FLORIDA APPROVAL PRODUCT NOTES

- Building Envelope Components are Florida Statute required (FS 553.842) to have Florida Product Approvals
- Statewide Building Envelope Products are approved by the Florida Building Commission
- Florida Product Approvals of building envelope components/systems are certified to structural resistance properties in the Florida Building Code
- Metallic Products' ventilators are structurally tested by Florida approved testing laboratories to code standards and are also tested for impact resistance and related properties
- Metallic Products' evaluation reports contain wind resistance data that is certified and approved by the Florida Building Commission for use in demonstrating code compliance
- Metallic Products' product approvals are evaluated by a third-party Florida Professional Engineer who is registered with the Florida Building Commission
- Metallic Products' ventilators are manufactured under an audited production Quality Assurance (QA) program to ISO standard 17020 by an ANSI accredited agency

