TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective May 1, 2002
RV-30

The following product has been evaluated to withstand the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC). This product shall be subject to reevaluation 3 years after the effective date.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Model ALRVBL FullFlow® Aluminum Ridge Vents manufactured by

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will be accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

Model **ALRVBL** FullFlow® Aluminum Ridge Vents are 0.0145" thick painted or mill finish 3105 Alloy Aluminum (H14). The ridge vent sections are 8-1/2" wide, 2-3/4" high, and 10' long. The ridge vents are installed over slots cut in the ridge of the roof to provide ventilation of attic spaces, usually in conjunction with soffit vents. Each ridge vent comes with factory-formed nail holes spaced 12" on center that are used to secure the vent to the roof deck. Model **STRPBL** aluminum hold down straps are 0.0145" thick, 2" wide, 1-1/2" high, 8" long overall, and have four (4) factory-formed nail holes per strap that are used to secure the strap over the vent to the roof deck at each end and between ridge vent sections. Model **PLGCON** plug connectors are used at each end, at the mid point, and between the ridge vent sections.

LIMITATIONS

Roof Slope: The ridge vent may be installed on roof slopes from 3:12 to 8:12.
For All Applications: The Model ALRVBL FullFlow® Aluminum Ridge Vents are only approved for installation on roof ridges. They may not be installed on hips.
Limitations:

Building Location	ROOF SLOPE	Mean Roof Height Allowable
Inland II Zone	≤ 7:12	≤ 50'
	> 7:12	≤ 50'
Inland I Zone	≤ 7:12	≤ 33'
	> 7:12	≤ 33'
Seaward Zone	≤ 7:12	≤ 33
	> 7:12	≤ 33'

INSTALLATION INSTRUCTIONS

General Installation Requirements:
All Texas Windstorm Insurance Association *Building Code for Windstorm Construction* or Texas Department of Insurance *Windstorm Resistant Construction Guide* requirements must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Roof Deck: The roof deck shall consist of wood structural panels with a minimum thickness of $^{15}/_{32}$".

Ridge Slots: For existing roofs, remove the old ridge cap shingles. For new roofs, leave the felt along the ridge. Cut an air slot along the ridge. The air slot shall be 1-3/4" wide for truss construction and 3-1/4" wide for ridge pole construction. The air slots should stop 6" before endwalls and 12" short of other ridge intersections, chimneys, hip joints, or roofing planes.

Ridge Cap Shingles: Install ridge cap shingles over the portions of the ridge that is not slotted.

Fastening Ridge Vent: The ridge vent shall be fastened to the roof deck with 12 gauge (0.106" shank diameter) x 1-1/4" long galvanized ring shank roofing nails with a 3/8" head at 12 inches on center through the pre-formed holes in the water channel. **PLGCON** plug connectors shall be inserted at each end, at the mid point, and between the ridge vent section butt joints. **STRPBL** hold down straps shall be installed over the butt joints and ends of the ridge vent sections with four (4) 12 gauge (0.106" shank diameter) x 1-1/4" long galvanized ring shank roofing nails with a 3/8" head into the pre-formed holes in the hold down strap.

Follow the manufacturer's Aluminum Ridge Vent Installation Instructions

Insert a **PLGCON** plug connector into the end of the vent and at the mid point of the ridge vent section. Apply a continuous ¼" bead of urethane caulk parallel to and centered on the nail hole line on the underside of the vent water channels. Ridge vent application shall start at the end of the ridge. Nail the vent into place as indicated above and nail a **STRPBL** hold down strap over the ridge vent at the end of the ridge. Position the ridge vent. Install a **PLGCON** plug connector half way into the end of the previous vent and at the mid point of the next ridge vent section. Apply the continuous bead of urethane caulk to the underside of the water channels. Position the ridge vent. Nail the vent into place as indicated above and nail a **STRPBL** hold down strap over the ridge vent at the butt joint between the two ridge vent sections. Repeat the process of to install ridge vent sections until the opposite end of the ridge is reached. At the end, it may be necessary to cut the final piece with a hack saw.

Ridge Cap Shingles Applied Over Vent: Do not install ridge cap shingles over the aluminum ridge vent.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as required in the Texas Department of Insurance Windstorm Resistant Construction Guide or the Texas Windstorm Insurance Association Building Code for Windstorm Resistant Construction.