

## Technical Data Sheet No: LF-11.0 L11.0 | Perforated Isolator

### Architectural Fixing System L11.0

System: Perforated Isolator

Application: Internal / External

- Framed Elements
- Security Panels
- Sunscreen Panels
- Feature Panels

Category: L11 Range Fixing Solutions

Product Range: Perforated

Material: Not applicable.

Finishing: Not applicable.

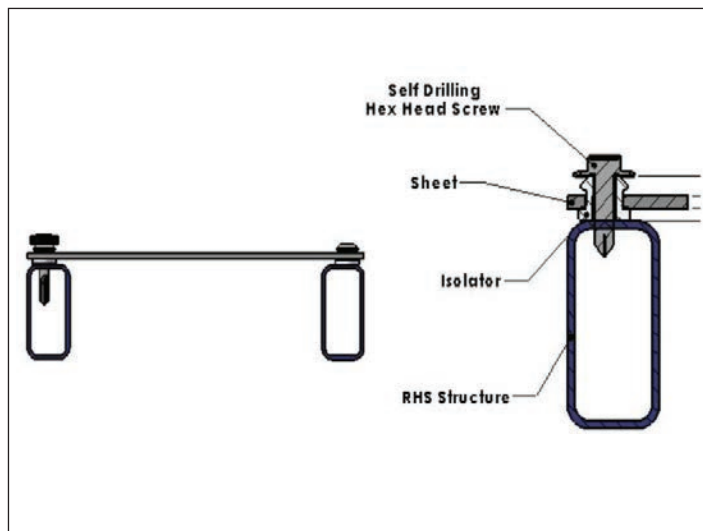
**Characteristics:** The L11 Perforated Isolator is designed for applications that utilize dissimilar metals in the perforated panel and the support structure, to eliminate the potential for corrosion. The L11 Perf Isolator protects the perforated panel only. The screw and the support structure must still be the same material.

In addition, the L11 Perf Isolator offers some noise reduction as it provides an absorption barrier between the panel and the structure. The shearing effect often caused by thermal expansion, is minimized as the L11 Isolator provides some flexibility to the joint.

**Related Systems:** The L11 Isolator is available in pack sizes of 200 units and can be purchased alone or as a complete installation kit with either Hex-Head or Wafer Head self-drilling screws.

- Part No. LF11.1 Isolator Perf Isolators—200/pack
- Part No. LF11.2 Isoscrew Hex Screws (to spec)—min 1000 units
- Part No. LF11.3 Isohex1224x32 Hex Screws 12g—24tpi—32lg—min 1000 units
- Part No. LF11.3 Isohexscrewpc P/Coat Hex Screws (to spec)—min 1000 units
- Part No. LF11.4 Isowafer Isolator, W/Screw and Washer—min 1000 units

The L11 kits are designed for bolt holes 0.4in (10.0mm) (+0.5,-0) diameter using 12 Gauge or M6 screws. Minimum diameter of screw head is 0.6in (15mm) diameter. Test results for galvanic reaction and material performance are available from the Valmont® Structures Architectural Facades engineering department.



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**Load:** Load is dependent on the product chosen and the application.

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**Wind Load:** Wind load should be measured on site and consideration given to the suitable open area.

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**Additional Notes:** The appearance and durability of the final product is the responsibility of the builder and the installation contractor. To achieve the indicated result, products must be installed in accordance with the recommendations above.

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**Caution:** Valmont® Structures Architectural Facades recommends including bolts or fixing holes as part of the original drawing specifications. These can be incorporated into the perforation process which prevents any subsequent damage to the panel.

Powder coated substrates: drilling holes or damage during installation on powder coated panels can break the seal formed for the protection of the underlying metal. This leaves the substrate exposed to potential corrosion where the seal has been broken. Any damage should be repaired immediately in accordance with coating manufacturer's instructions.

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**Installation:** Please use care with regard to torque and speed when installing the perforated isolators.

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**Cleaning:** Any metal exposed to the environment needs to be regularly cleaned to remove particles which may cause tea staining and corrosion. This is especially important in coastal and high traffic city/urban locations.

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This information is provided as a guide only in respect to the Architectural Facades product lines from Valmont Structures and intended applications.

- The information in this specification was prepared using technical data and market based experience available at the time of printing. While Valmont Structures endeavours to update this information and maintain the accuracy of its contents, Valmont cannot guarantee that the information provided is wholly comprehensive.
- Valmont Structures recommends that you conduct additional investigations as necessary to satisfy yourself of the accuracy of the information you rely on for the product application.
- If you require further information, please contact Valmont Structures.

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