NEXT GENERATION PERFORMANCE

The ISO Clip is a thermal barrier separating the interior of the building from the exterior framing components. Unique design features reduce the thermal transfer from the interior to the exterior. Thermal performance of the clip has been verified by the industry leaders, Morrison Hershfield.

The ISO Clip is engineered to perform on all substrates; including concrete, concrete block, steel studs or wood. The ISO Clip accommodates a variety of insulation thicknesses or wall depths, eliminating the need for shims or multiple clip sizes. The ISO Clip installed in the same orientation is suited to accept either vertical or horizontal sub-girts. Versatility and ease of use combined with the effective use of insulation makes the ISO Clip the product to specify.

The ISO Clip team is available to assist you with all stages of your building performance design. Full sets of system details, engineering load tables and calculations are available. Your engineers or ours, are able to design the most functional wall assembly for your chosen insulation and cladding.

WHY USE ISOCLIP?

- One component clip with integral moulded thermal pad
- Robust
- Same clip applied horizontally or vertically
- Girts can be pre-assembled to the ISO Clip for faster field installation
- Less inventory to stock
- One source purchasing for your clips, girts and fasteners
- Increased availability through growing network of regional distributors/stockists

WHAT ARE THE BENEFITS?

- 3D Thermal Analysis for S810 and ASHRAE 90.1 *
- FEA Structural Analysis by JEI Engineering
- Evaluated for NFPA 285
- Accommodates +/- 1/2” adjustment for wall deviation
- Fully Engineered
- Acceptable for multiple substrates
- Cost-effective
- Allows for horizontal and vertical installations
- One clip accommodates varying wall depths
- Shims not required
- North American made
- Installer friendly with our built-in “helping hand”
- Currently approved for 4", 5", 6" of insulation can be modeled on request and at cost for other depths of insulation and project specific wall assemblies.

CLEAR FIELD THERMAL PERFORMANCE EXTERIOR INSULATED STEEL STUD ASSEMBLY

<table>
<thead>
<tr>
<th>SYSTEM &amp; STUD SPACING</th>
<th>EXTERIOR INSULATION LEVEL (in)</th>
<th>EXTERIOR INSULATION NOMINAL R-VALUE hr ft² °F/ BTU (m²/KW)</th>
<th>ASSEMBLY EFFECTIVE R-VALUE hr ft² °F/ BTU (m²/KW)</th>
<th>36” VERTICAL SPACING</th>
<th>48” VERTICAL SPACING</th>
<th>60” VERTICAL SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORIZONTAL SYSTEM 16&quot; STUD SPACING</td>
<td>4</td>
<td>16.8 (2.96)</td>
<td>R-16.4 (2.88)</td>
<td>R-17.2 (3.02)</td>
<td>R-17.2 (3.12)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>21.0 (3.70)</td>
<td>R-18.7 (3.3)</td>
<td>R-19.8 (3.5)</td>
<td>R-20.6 (3.64)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>25.2 (4.44)</td>
<td>R-20.9 (3.67)</td>
<td>R-22.3 (3.93)</td>
<td>R-23.4 (4.12)</td>
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</tr>
<tr>
<td>HORIZONTAL SYSTEM 24&quot; STUD SPACING</td>
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<td>16.8 (2.96)</td>
<td>R-17.1 (3.01)</td>
<td>R-17.8 (3.13)</td>
<td>R-18.2 (3.21)</td>
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<td>5</td>
<td>21.0 (3.70)</td>
<td>R-19.7 (3.47)</td>
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<td></td>
<td>6</td>
<td>25.2 (4.44)</td>
<td>R-22.0 (3.87)</td>
<td>R-23.3 (4.1)</td>
<td>R-24.2 (4.26)</td>
<td></td>
</tr>
</tbody>
</table>

*compliance by Morrison Hershfield

MORRISON HERSHFIELD REPORT

The ISO Clip provides a thermally broken and intermittent structural attachment for cladding systems to exterior wall assemblies. The clip is fabricated from 2-257 galvanized steel, and overwelded with a plastic isolator. Both horizontal and vertical steel girts can be attached to the ISO Clip, as shown in Figures 1 & 2. The horizontal flange of the clip has a punched slot that allows the sub-girts to be adjusted, held and fastened to the clip. The plastic isolator between the metal clip and the wall provides a thermal break that reduces thermal bridging. For steel stud assemblies, the clips are fastened through the exterior sheathing directly to the steel studs using self-drilling screws.

*For exterior insulated steel stud assemblies, the ISO Clip System provides an effective means of reducing thermal bridging in exterior facade systems compared to traditional continuous girt systems. The ISO Clip System can be used to meet many of the demanding thermal requirements from current energy codes and standards in Canada. The U- and R-values provided by this summary can be used for compliance calculations for any of the compliance paths set forth in ASHRAE 90.1, NECB or SB-10.thermal bridging.