

# ISO CLIP LEED v4 REFERENCE GUIDE

FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS



-  INTEGRATIVE PROCESS
-  ENERGY & ATMOSPHERE
-  MATERIALS & RESOURCES
-  INDOOR ENVIRONMENTAL QUALITY
-  INNOVATION
-  REGIONAL PRIORITY



## INTEGRATIVE PROCESS

*As a component part, ISO Clip may assist towards 1 available credit point:*

The ISO Clip is able to support basic envelope attributes when assessing insulation values. This can be done in the discovery and implementation stage of energy modeling analysis utilizing the ISO Clip thermography report by Morrison Hershfield – report number: 5140125



## ENERGY & ATMOSPHERE

*As a component part, ISOClip assists towards achieving the following prerequisite credits:*

**Fundamental Commissioning and Verification:** With the ISO Clip installed within the exterior enclosure assembly, thermal performance for heat/cold transfer is maintained therefore reducing energy consumption of the HVAC system.

**Minimum Energy Performance:** ISO Clip incorporated within the exterior wall assembly aids in the performance improvement required by LEED v4 for new construction, major renovations, and core and shell projects compared with the baseline building performance rating.

*As a component part, ISO Clip assists towards achieving the following possible credits:*

**Enhanced Commissioning – Option 2 Envelope Commissioning:** Possible 2 of 6 points in total – third party reports verifying the thermal performance of the ISO Clip are available as part of the submittals required to meet this credit.

**Optimize energy performance – Option 2 Prescriptive Compliance: ASHRAE Advanced Energy Design Guide** (Possible 1 of 6 points in total) ISO Clip can help as a component of a building envelope assembly to meet the ASHRAE 50% Advanced Energy Design guide for all types of building in the industrial, commercial, institutional sector.

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### MATERIALS & RESOURCES

*Prerequisite:*

**Construction and demolition waste management planning:** ISO Clip is a standard component. Any oversupply to a project can be restocked or used on future projects. ISO Clip components, comprising of 14ga galvanized steel and HDPE thermal isolator pad, can be recycled.

*Assists to achieve the following possible credits:*

**Building Life-Cycle Impact Reduction:** (possible 3 points) ISO Clips are fabricated from Z275 (G90) galvanized steel for longevity.

**Building product disclosure and optimization - environmental product declarations:** (Possible 2 Points) Third party EPD for galvanized steel are available online to the public.

**Building product disclosure and optimization - sourcing of raw materials:** (Possible 2 Points): The galvanized steel used for the ISO Clip has on average 19.5% pre-consumer and 69% post-consumer recycled content.

**Construction and demolition waste management:** (Possible 2 points) ISO Clip is a standard component. Any oversupply to a project can be restocked or used on future projects. ISO Clip components, comprising of 14ga galvanized steel and HDPE thermal isolator pad, can be fully recycled.



### INDOOR ENVIRONMENTAL QUALITY

*Assists to achieve the following possible credits:*

**Thermal Comfort:** (Possible 1 point) ISO Clip provides excellent low-thermal conductivity which can optimize the design of the building envelope to ensure thermal comfort by achieving the desired R-value with reduced thermal bridging.



### INNOVATION

*Assists to achieve the following possible credits:*

**Innovation:** (Possible 5 Points) Utilizing the ISO Clip to demonstrate performance above the requirements of LEED v4 for thermal comfort and energy optimization, and/or an innovative process not currently mentioned by LEED v4.



### REGIONAL PRIORITY

*Assists to achieve the following possible credits:*

**Regional Priority:** (Possible 4 Points) The ISO Clip is manufactured in Ontario, Canada and is stocked at many distribution warehouses across North America.



\*\*\*This document is a guide to potential LEED v4 credits available for most projects, and is not specific to any one project. Please consult a LEED-certified professional and visit [www.usgbc.com](http://www.usgbc.com) or [www.cagbc.org](http://www.cagbc.org) for project specific credit calculation.