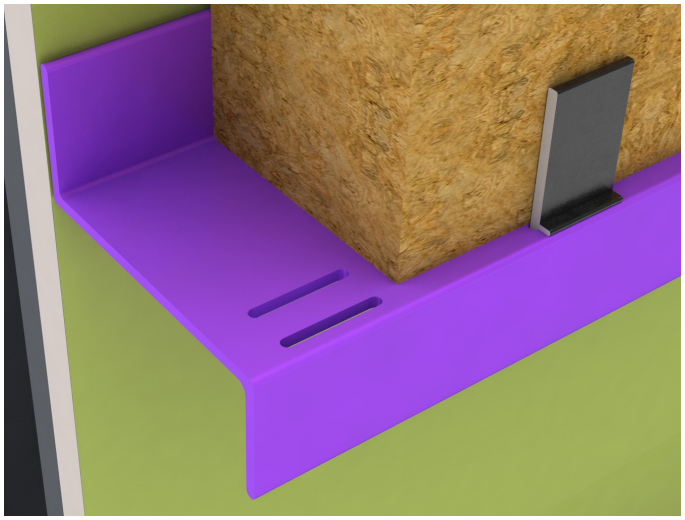
CLADIATOR™
Built to Conquer New Challenges

SLOTTED-Z™

Z-Girt with Insulation Securement

- Advancement in thermal performance.
- Secure insulation faster than ever before using the insulation securement slots and ROCKETStick™.

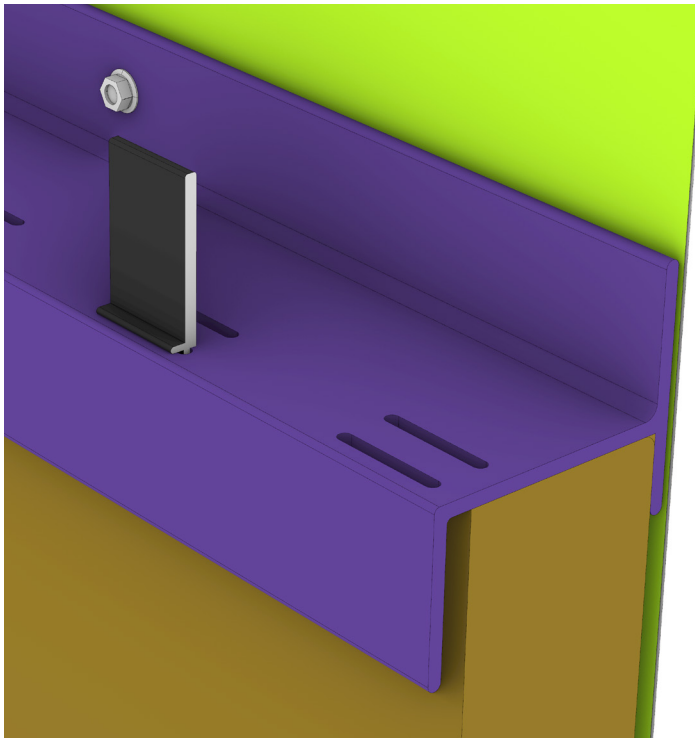


ROCKETStick™

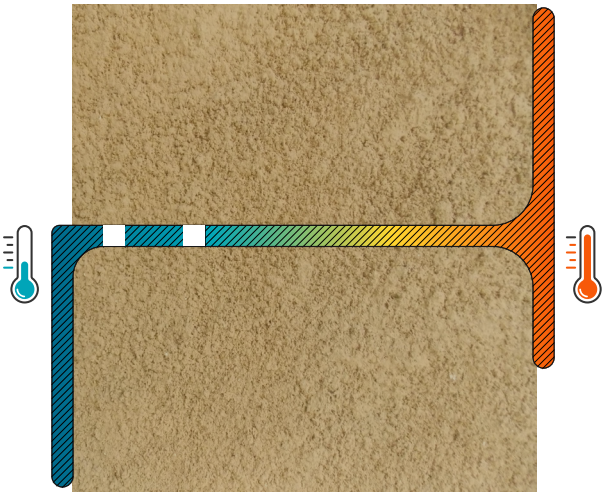
Secure Insulation in One Shot
FAST. EASY. SECURE.

- Integrates with all SLOTTED-Z™ cladding attachment systems.
- Secures insulation away from the waterproofing layer.
- Compatible with semi-rigid or rigid mineral wool and foam board insulation.
- Quick and easy to install.

Smart. Simple. SLOTTED-Z™



SLOTTED-Z™ FG (Fiberglass)



Color finishes:

Purple (standard)

Dark Ocean Gray (optional)

Thermal Performance of Building Materials

THERMAL CONDUCTIVITY (W/(m K))		
FIBERGLASS	.04	High Thermal Resistance
POLYAMIDE	.25	
PLASTICS	.65-.80	
GLASS (WINDOW)	.96	
GALVANIZED STEEL	25	Low Thermal Resistance
STAINLESS STEEL	16	
CARBON STEEL	43	
ALUMINUM (6063-T6)	200	
COPPER	401	

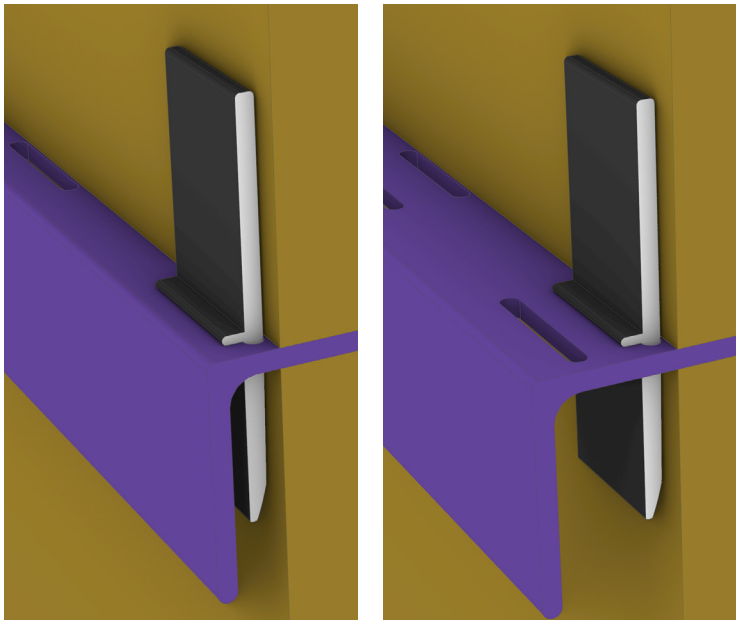
THERMAL CONDUCTIVITY AND CLADDING SUPPORT SYSTEMS

- ✔ Thermal conductivity refers to the ability of a given material to conduct/transfer heat.
- ✔ Common building materials can have vastly different rates of thermal conductivity.
- ✔ Fiberglass has a low thermal conductivity so temperatures outside the building are not easily transferred to the interior.
- ✔ The use of materials such as fiberglass therefore improve the thermal efficiency of the wall system when used as a thermal break – separating two more conductive elements of the wall system that can more easily transfer heat from the outside of the building to the inside (or vice versa).

ROCKETStick™

Secure Insulation in One Shot

ROCKETStick™ is an optional component that integrates with all SLOTTED-Z™ cladding attachment systems to secure insulation away from the waterproofing layer. The sculpted "peg & slot" insertion process makes installation quick and easy. Compatible with semi-rigid or rigid mineral wool and foam board insulation.

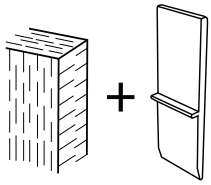


Two adjustment positions at 1/2" increments from the outer face.

SIMPLE DESIGN.
FAST. EASY. SECURE

- ✔ The tapered end of the ROCKETStick slides easily into the 1" wide slot of the SLOTTED-Z.
- ✔ Installs 1.5" above and 1" below the surface.
- ✔ Material: Aluminum.

✔ ROCKETStick (Peg & Slot)

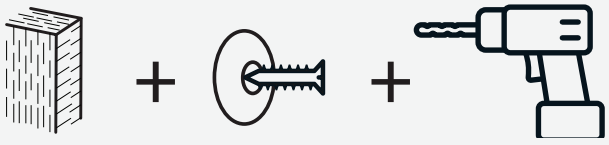


- ✔ Quick and easy.
- ✔ Secures insulation away from the waterproofing layer.
- ✔ No power tools required.

✘ **Adhered Fastening**–Time Consuming/Labor Intensive

Adhesive + Stick-Pin + Cure + Insulation + Washer

✘ **Mechanical Fastening**–Punctures Waterproofing Layer



Insulation + Mechanical Fastener + Power Drill

DESIGN OPTIONS

Choosing the Right Profile to Match Your Design Requirements

The two charts below indicate the adjustment options for installing different types of semi-rigid or rigid board insulation materials using the ROCKETStick™ and how that influences the net free area outbound from the insulation layer.

ROCKETStick - Outer Slot

Profile Depth*	Insulation Thickness and Net Free Area			
	Mineral Wool (MW)	Net Free Area	MW/XPS/ Polyiso	Net Free Area
2	2	0	1.5	0.5
2.5	2.5	0	2	0.5
3	3	0	2.5	0.5
3.5	3.5	0	3	0.5
4	4	0	3.5	0.5
4.5	4.5	0	4	0.5
5	5	0	4.5	0.5
5.5	5.5	0	5	0.5
6	6	0	5.5	0.5

ROCKETStick - Inner Slot

Profile Depth*	Insulation Thickness and Net Free Area			
	Mineral Wool (MW)	Net Free Area	MW/XPS/ Polyiso	Net Free Area
2	1	1	1	1
2.5	1.5	1	1.5	1
3	2	1	2	1
3.5	2.5	1	2.5	1
4	3	1	3	1
4.5	3.5	1	3.5	1
5	4	1	4	1
5.5	4.5	1	4.5	1
6	5	1	5	1

*Nominal depth of the z-girt profile

Dimensions are in inches

SLOTTED-Z and Mineral Wool Insulation

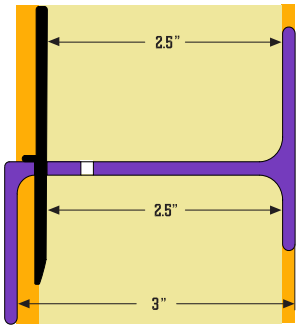
- ✔ Mineral Wool insulation form fits around the girt at the substrate and if using the ROCKETStick, allows for an additional ½" of insulation to be installed, versus foam board insulation.

SLOTTED-Z and Foam Board Insulation

- ✔ Foam insulation rests on top of the flange at the substrate and secured at the front by the ROCKETStick.
- ✔ Air and moisture barriers installed outbound of the sheathing prevent moisture related durability issues within the small gap created at the substrate between the foam boards and substrate.*
- ✔ If there is condensation from interior humidity on the interior face of the insulation, it will drain down in the air gap.*

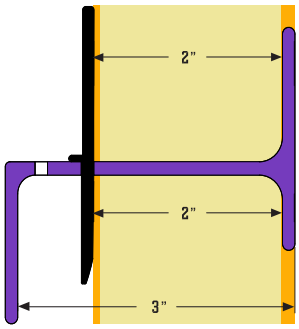
*Morrison Hershfield thermal/moisture gap analysis referencing CL 300 under similar conditions.

Example: Outer Position



Insulation securement using ROCKETStick installed in the outer slot.

Inner Position



Insulation securement using ROCKETStick at a ½" increment inward.

Mineral Wool

Foam Board

Insulation Securement in Plan View

A) Mineral Wool compresses with the insertion of the ROCKETStick in the outer securement slot.

B) Both Mineral Wool and Foam board insulation secured with ROCKETStick in the inner slot. Allows for greater airflow in the net free area for rainscreen systems as needed.