

# ThermaZee®

Something Familiar...Reinvented

FORMED TO PROTECT WHAT MATTERS MOST™

Knight Wall Systems™ *ThermaZee*® gives installers and designers the simplicity of what they know: Z-furring; with what they need: code compliant thermal performance. With reduced thermal bridging that rivals modern thermally isolated clip and rail systems, the thermally improved *ThermaZee* dramatically increases the rainscreen wall assembly's performance.



4" THERMAL COMPARISON	EFFECTIVE R-VALUE
<b>KNIGHT THERMAZEE®</b>	<b>R-17.3</b>
FRP Clip & Rail System	R-15.9
Metal Z-Furring + Thermal Isolation	R-13.8
Metal Z-Furring	R-12.2

\*Wall assembly compared is a 16" OC steel stud wall, 1-layer gypsum sheathing, 4" mineral wool insulation & attachments spaced at 24" O.C. Results are from 3D thermal modeling completed by Morrison-Hershfield and published product data.

*ThermaZee* employs a specially designed, hollow, thermal isolation strip complimenting other performance enhancements at the web of the girt. The web's unique punch pattern has a substantial reduction in metal penetrating the insulation – about 75% – which decreases heat-flow through the girt. Additionally, the girt's notched bends and flared punches add extra strength.

Like traditional Z-furring, *ThermaZee* can be installed either vertically or horizontally, attached to a variety of substrates such as steel studs, wood studs, CMU and concrete. Also, like traditional furring, a variety of claddings can be attached directly or with secondary rails. These include fiber cement, metal panels, HPL panels or aluminum composite material (ACM), among others.

*ThermaZee* can be specified and purchased as a standalone girt, with or without thermally isolated wall anchors by KWS™. Additionally, KWS™ can provide project-specific engineering if requested.



# Advantages to ThermaZee®

- Non-combustible girt for a reliable structural connection
- Typical installation - installs just like traditional Z-furring
- Highly perforated for Increased drainage
- Wall anchors can be supplied by KWS™ or others\*
- ThermaZee® can be spaced up to 48" O.C. when used horizontally, or up to a 32" O.C. when used vertically\*
- No trimming of mineral wool insulation required for a snug fit
- Pre-punched wall anchor holes for easy installation - especially over wood and CMU/concrete substrates
- Highly corrosion resistant Zn-Al-Mg ZM40 (ASTM A1046) coated steel provides 10x the protection vs typical G90 Galvanized steel
- Black PVDF finish and stainless-steel options available
- Delivered with preassembled thermal isolation strip - ready to install
- Easily installed over many substrates - steel studs, wood studs, CMU, concrete
- Engineering calculations can be provided per project for design load compliance (optional)
- Can be supplied as a full attachment solution - thermally isolated furring, fasteners, secondary rails and engineering (optional)
- 10-year limited labor & material warranty

## Options

**DEPTHS:** 1 ½ in · 2 in · 2 ½ in · 3 in · 3 ½ in · 4 in · 4 ½ in · 5 in

**FINISH:** Mill or Black PVDF

**GAUGES:** 18-GA or 16-GA

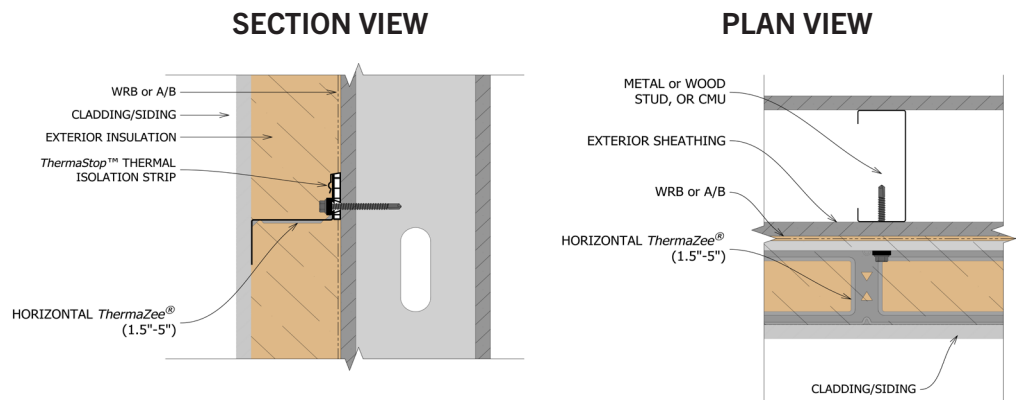
**LENGTHS:** 120 in Standard (96 in Available)

Contact KWS™ for more information on lead times and pricing. See system specific guide details for further information on design, detailing and installation.

\*Maximum allowable spacing and dead load (weight of cladding) is based on the total load (dead + live) acting on the assembly and connections. Engineering should verify this. Engineering and wall anchors must be supplied by KWS for a written limited extended warranty.



**ThermaZee®**



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