



THERMAZEE® Cladding Support

Something Familiar...Reinvented

Knight Wall Systems® THERMAZEE® gives installers and designers the simplicity of traditional Z-furring with the thermal performance required for today's high-performance wall assemblies. Engineered to reduce thermal bridging while maintaining familiar installation methods, THERMAZEE® helps improve exterior wall assembly performance and supports compliance with increasingly stringent energy codes, including 2024 IECC.

THERMAZEE® uses a THERMASTOP® thermal isolator and a highly optimized web design to dramatically reduce heat flow through the support system. The unique punch pattern reduces the amount of metal penetrating the insulation by approximately 75%, helping decrease thermal transfer through the wall assembly. Notched bends and flared punches provide added strength while maintaining the durability needed for demanding façade applications.

Like traditional Z-furring, THERMAZEE® can be installed vertically or horizontally and is compatible with a wide range of insulation types, including rigid insulation, mineral wool, and spray foam. Its highly perforated profile also supports drainage and ventilation within a rainscreen cavity.

A wide range of cladding materials can be attached directly to THERMAZEE® or supported with secondary rails, including metal panels, fiber cement, ACM, terra cotta, and more. This gives architects and contractors a practical, versatile path to improved thermal performance without adding unnecessary complexity in the field.

Beyond strength and constructability, the THERMAZEE® advances sustainability objectives through a third-party verified Environmental Product Declaration (EPD), a Declare label, and Red List Free status. The result is a durable, resilient, thermally efficient support system that helps teams meet performance goals without limiting façade design freedom.



EXAMPLE U-VALUES - STEEL STUD WALL ASSEMBLY

EXTERIOR INSULATION	ASSEMBLY U-VALUE	EFFECTIVE R-VALUE
3.5" (R-15)	0.064	15.6
4.5" (R-19.3)	0.053	18.7
5" (R-21.5)	0.049	20.5

*THERMAZEE® spaced at 24" O.C.

Results are from 3D thermal modeling completed by Morrison-Hershfield and published product data.



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(509) 262-0104

www.knightwallsystems.com
ALL KNIGHT WALL SYSTEMS COMPONENTS
ARE MANUFACTURED IN THE USA.



Advantages to THERMAZEE®

- Non-combustible girt for a resilient and reliable connection
- Installs like traditional Z-furring
- Highly ventilated design promotes drainage and drying
- Spacing up to 48" O.C. reduces installation time
- Pre-punched attachment holes reduces installation time across a variety of substrates
- Up to 10x greater corrosion resistance than G90 galvanized steel
- Black finish or stainless steel material available
- Includes THERMASTOP® thermal isolator to support high-performance wall assemblies
- Install over steel studs, wood studs, CMU, and concrete substrates
- Third-party tested and backed by a 10-year limited warranty.
- One-source responsibility from design through installation

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)

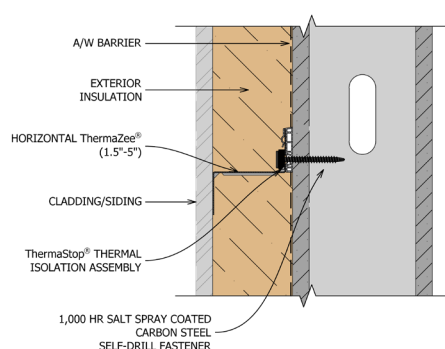
Contact KWS® for more information on lead times and pricing. See system specific guide details for further information on design, detailing and installation.

*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.

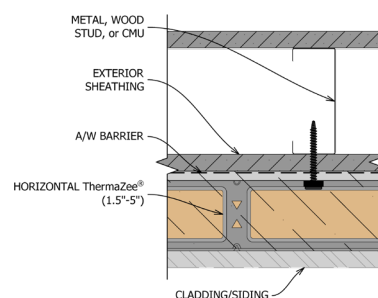


THERMAZEE®

SECTION VIEW



PLAN VIEW



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