GreenGirt Optima™

Optimized structural composite metal hybrid sub-framing

GreenGirt® Optima CMH™ is a fully optimized continuous insulation system utilizing a best practice composite metal hybrid material. By utilizing the properties of both steel and fiber-reinforced polymers, GreenGirt Optima has one of the highest strength to weight ratios on the market. GreenGirt Optima's fastener pullout capacity is also greater than the pullout capacity of 16-gauge steel and its high performance continues at all service temperatures.

Specifications	
Depths	1.5", 2", 2.5", 3", 3.5", 4", 4.5", 5", 5.5", 6", 8"
Flange thickness	0.163"
Insulation retention seal	Spline included above and below (standard) or eliminated (smooth; optional)
Orientation	Horizontal or vertical
Color	Green (standard) or black (optional)
Insulation	Mineral wool, spray foam, or rigid insulation
Cladding	All

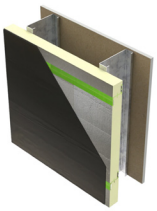
Features & Benefits

Structural capacity optimized to your specific project requirements; available in GreenGirt continuous insulation and SMARTci building enclosure systems

- Best practice composite metal hybrid (CMH) material
- 92–98% thermal efficiency
- Permanent fastener retention for load and service temperature (vs. temporary fastener retention in FRP products)
- Free of all red-list materials; free of halogen and bromine
- Engineered with systems for air- and water-tightness at 20 PSF
- NFPA 285 compliant
- Engineered to prevent material creep over service temperature and load
- Cantilever interlocking metal flanges and integrated fastener retention system
- Metal-composite synergy to match performance of 16-gauge sheet metal girts

Compatible Systems

GreenGirt® CMH™



SMARTci® building enclosure

GreenGirt® Optima *Standard*

GreenGirt® Optima *Smooth*

The Difference Between GreenGirt® Max vs. GreenGirt® Optima

GreenGirt Max and GreenGirt Optima are both composite metal hybrid (CMH) Z-girts from the Advanced Architectural Products family, designed for use with various GreenGirt continuous insulation and SMARTci building enclosure systems. GreenGirt Max is the premier model, engineered for maximum strength, durability, and thermal efficiency, featuring 16-gauge metal inserts in both flanges for enhanced performance and fastener retention. It leverages best-practice engineering and quality standards developed from thousands of building projects.

In contrast, GreenGirt Optima provides an optimized engineered solution to achieve the specific architectural and structural requirements of each project. GreenGirt Optima leverages the synergistic properties of composite metal hybrid material to provide a strength greater than the combined individual components' strengths; plus, the option to include the insulation retention seal above and below or have the insulation retention spline excluded for a smooth Z-girt.

a2p ADVANCED ARCHITECTURAL PRODUCTS

Patents: GreenGirt.com/Patents