GreenGirt Max CMH™

Maximized structural composite metal hybrid sub-framing

GreenGirt Max CMH™ is the ultimate continuous insulation system in the market. Leveraging best-practice engineering, testing, and the highest quality standards in the industry, you can confidently approach the most demanding projects with ease. GreenGirt Max CMH utilizes the best properties of steel, glass, and polymers to provide a product that is as strong and durable as steel with the highest thermal efficiency.

GreenGirt Max CMH is the same high-performing composite metal hybrid Z-girt as the classic GreenGirt.

Specifications	
Depths	1.5", 2", 2.5", 3", 3.5", 4", 4.5", 5", 5.5", 6", 8"
Flange thickness	0.20"
Pressure seals	With pressure seals (standard), smooth (optional)
Orientation	Horizontal or vertical
Insulation	Mineral wool, spray foam, or rigid insulation
Cladding	All
Color	Green (standard), black (optional)

Features & Benefits

Maximum structural capacity; available in GreenGirt CMH continuous insulation and SMARTci building enclosure systems

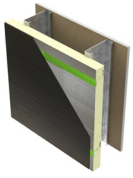
- Eliminates “unavoidable failure” and trailing liability, when compared to FRP-only products
- Best practice composite metal hybrid material
- Permanent fastener retention for load and service temperature (versus temporary fastener retention in FRP products)
- Free of all red-list materials; free of halogen and bromine
- Engineered with systems for air- and water-tightness at 20 PSF
- 92–99% thermal efficiency
- NFPA 285 compliant
- Engineered to prevent material creep over service temperature and load
- Cantilever interlocking metal flanges and integrated fastener retention system

Compatible Systems

GreenGirt CMH™

GreenGirt CMH Clips™

GreenGirt CMH Delta™ Adjustable



SMARTci®

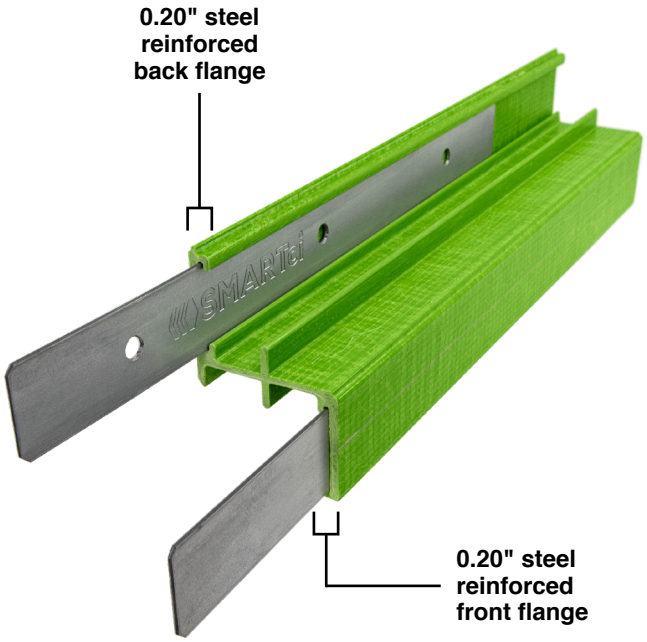
Capable of holding over 500 pound point loads!

GreenGirt CMH™ double Z-girt insert to form heavy-duty hat sections

GreenGirt CMH™ dead load clip

Evaluation of Fastener Pullout in GreenGirt Max CMH:

Fasteners listed in this evaluation summary are used to attach cladding or cladding sub-framing to GreenGirt Max CMH. The fastener will attach through fiber-reinforced polymer (FRP) material into a galvanized steel insert.



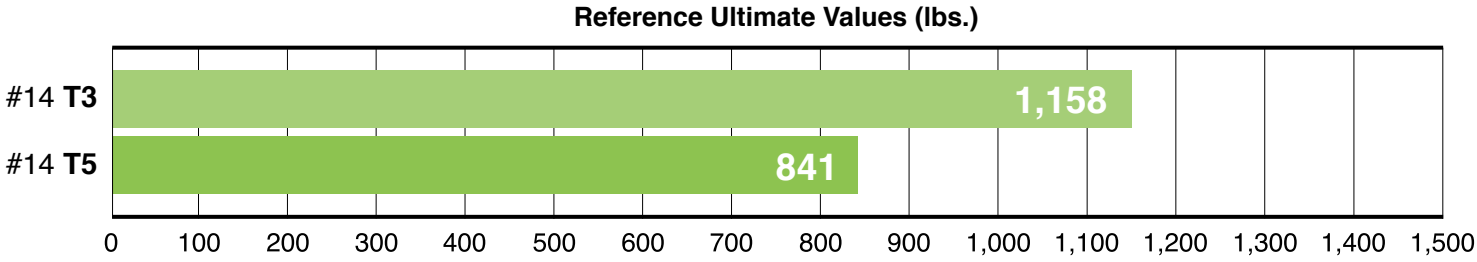
Fasteners Tested

Fastener	Size	Tip	Thread Diameter (in.)	Hex Head (in.)
#14 T3	#14	T3	0.25	3/8
#14 T5	#14	T5	0.25	3/8

Fasteners were installed into GreenGirt Max CMH using the recommended fastener torque. All were fastened directly into the front flange of the GreenGirt Max CMH sub-framing.

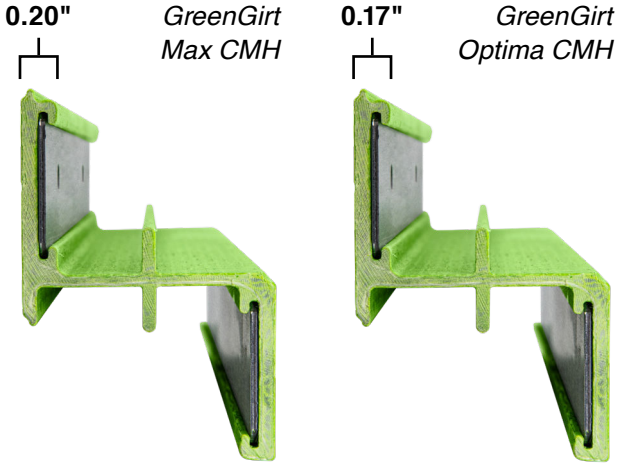
Pullout Results

The data contained in this evaluation summary only pertains to the pullout values of specific fasteners into the GreenGirt Max CMH product. These values cannot be interpolated between fasteners or used for attaching into other products.



(*) all tests were carried under laboratory conditions. Each of the tabulated values is average of six tested samples. Ultimate values are listed. User must determine and apply the appropriate safety factor to the above tabulated values when used in a project design. Unless otherwise provided, a safety factor of 4 is commonly used, which is the minimum recommendation from A2P. Dynamic Fasteners is the brand of fastener used for this testing.

The Difference Between GreenGirt Max CMH vs. GreenGirt Optima CMH



GreenGirt Max CMH and GreenGirt Optima CMH are both composite metal hybrid Z-girts from the Advanced Architectural Products' portfolio of systems, designed for use with various GreenGirt CMH continuous insulation and SMARTci building enclosure systems. GreenGirt Max CMH is the premier model, engineered for maximum strength, durability, and thermal efficiency, featuring 0.20" steel reinforced 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 CMH provides an optimized engineered solution to achieve the specific architectural and structural requirements of each project. GreenGirt Optima CMH leverages the synergistic properties of composite metal hybrid material to provide a strength greater than the combined individual components' strengths, with 0.17" steel reinforced flanges.