

# SYSTEMS COMPARISON

## CONTINUOUS INSULATION Z-GIRTS

MANUFACTURED BY ADVANCED ARCHITECTURAL PRODUCTS

Feature	SMARTci	GreenGirt CMH Max	GreenGirt CMH Optima (Standard)	GreenGirt CMH Optima (Smooth)	Steel Z-Girt (16-gauge)	Perforated Thermal Metal Z-Girt	FRP Z-Girt
Continuous insulation system	✓	✓	✓	✓	✗	✓	✓
Works with any insulation type	✓	✓	✓	✓	✓	✓	✓
Works with light or medium cladding and wind loads	✓	✓	✓	✓	✓	✓	✓
Contractor buys their own rigid insulation	INCLUDED WITH SMARTci	INCLUDED WITH SMARTci	INCLUDED WITH SMARTci	✓	✓	✓	✓
Fire test compliance with NFPA 285 and ASTM E84	✓	✓	✓	✓	✓	✓	LIMITED
Permanent fastener retention	✓	✓	✓	✓	✓	✓	✗
Free of halogen, bromine, and any Red List materials	✓	✓	✓	✓	✓	✗	✗
Eliminates both material and fastener creep	✓	✓	✓	✓	✓	✗	✗
Strong transverse strength	✓	✓	✓	✓	✓	✗	✗
Over 10 years of proven success in thousands of engineered projects	✓	✓	✓	✓	✓	✗	✗
Features a smooth drainage plane	✓	✓	✓	LIMITED	✓	✗	✗
Each order includes finite element analysis and expert engineering review/support	✓	✓	✓	✓	✗	✗	✗
Engineered for compatibility with GreenGirt and SMARTci accessories	✓	✓	✓	✓	✗	✗	✗
High durability - composite system designed for service life, service load, and service temperature	✓	✓	✓	✓	✗	✗	✗
Works with heavy cladding and wind loads	✓	✓	✓	✓	✗	✗	✗
Highest thermal efficiency available on the market	✓	✓	✓	✓	✗	✗	✗
Eliminates through-insulation metal thermal bridging	✓	✓	✓	✓	✗	✗	✗
Installs twice as fast with stack-and-go installation process	✓	✓	✓	✗	✗	✗	✗
Eliminates the need for insulation retention fasteners	✓	✓	✓	✗	✗	✗	LIMITED
Reduces thermal bypass	✓	✓	✓	✗	✗	✗	✗
Optional thermal hat profile and dead load clips available for higher structural requirements	✓	✓	✗	✗	✗	✗	✗
Extreme cladding and wind loads, horizontal or vertical orientation	✓	✓	✗	✗	✗	✗	✗
Installs four times as fast with stack-and-go installation process	✓	✗	✗	✗	✗	✗	✗
Eliminates gaps and cracks - product design, installer and insulation manufacturer gaps fixed	✓	✗	✗	✗	✗	✗	✗
Guaranteed to eliminate thermal bypass	✓	✗	✗	✗	✗	✗	✗
Installed thermal performance from 30-46% higher than other systems using the same insulation thickness	✓	✗	✗	✗	✗	✗	✗
Air- and water-tight without the use of caulk or tape	✓	✗	✗	✗	✗	✗	✗
Highest true R-value per inch of wall system	✓	✗	✗	✗	✗	✗	✗

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