



KNIGHT WALL SYSTEMS + HIGH-DENSITY STONE WOOL: The Industry's First Engineered True Continuous Insulation Rainscreen System with Stone Wool

High-Density Stone Wool Insulation with Knight's CI® System and HCI™ System Delivers Sustainable, Fire- and Moisture-Resistant Rainscreen Technology that Nearly Eliminates Thermal Bridging

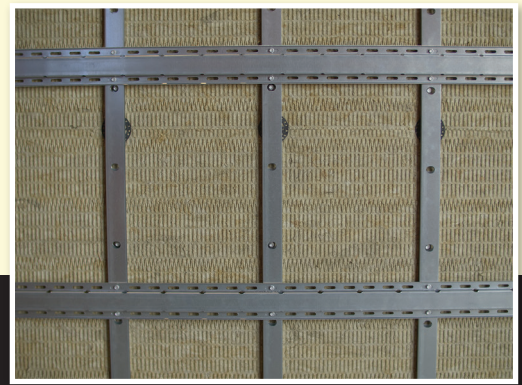
High-Density Stone Wool (110 Series) is now available to be used as a true continuous insulation rainscreen solution with Knight's CI® System and HCI™ System, offering superior fire resistance and sustainability.

Developed for use as an exterior continuous insulation in commercial applications, High-Density Stone Wool is thermally efficient, moisture-resistant, vapor permeable and supplants other external insulations to create high-performance, non-combustible wall assemblies that are effective against moisture and thermal bridging, with superior drying potential.

Both the Knight CI System and HCI System provide outstanding thermal performance by way of true CI (no penetrations through the insulation except fasteners), while accommodating nearly any façade or cladding system up to 15 lbs. per square foot, providing maximum versatility and durability with ease of design and installation. The CI System uses unique ¾" deep vertical box girts, called CI-Girts™; and the HCI System uses unique ¾" deep horizontal girts. Both are designed to properly disburse the façade loads over exterior stone wool board insulation, with only unique thermally isolated fasteners penetrating the thermal barrier, thus minimizing thermal bridging. Both systems' components are produced in standard and custom lengths, in either 16- or 18-gauge Zn-Al-Mg -coated steel (standard mill silver or black PVDF coated) or stainless steel.

Seamlessly installs with panels and finishes of all types - including 3-coat stucco, single skin metal panels, fiber cement, etc.

Contact KWS for more information: www.knightwallsystems.com



- » Fully non-combustible assembly - insulation + attachment
- » Used with 110 Series High-Density Stone Wool - up to 4" thick
- » Retains up to 98% of the insulation's nominal R-Value
- » Real labor savings - no notching or cutting of exterior insulation required like with Z girts, brackets or clips
- » CI-Girts can be spaced 16", 24" or 32" OC (every other stud)*
- » HCI-Girts can be spaced up to 48" OC*
- » Support claddings weighing up to 15 PSF
- » Highly corrosive-resistant Zn-Al-Mg ZM40 (ASTM A1046) coated steel provides a long service life vs. typical G90 Galvanized steel

*Maximum allowable spacing and dead load (weight of cladding) is based on the total load (dead + live) acting on the assembly and connections. Wall anchors must be specified and supplied by KWS for a written limited warranty. Knight will specify the exact anchor type, embedment depth and spacing for anchors in project specific engineering packages. ThermoStop thermal isolation washers must be used on all types of wall anchors with the HCI or CI System, no matter the substrate.

KNIGHT WALL CAN CONTRIBUTE TO THE FOLLOWING USGBC LEED CREDITS:

- ▣ Energy & Atmosphere (EA) Prerequisite and Credit 1
- ▣ Materials & Resources (MR) Credits 4 and 5



ALL KNIGHT WALL SYSTEMS
COMPONENTS ARE MANUFACTURED
IN THE USA.

NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY KNIGHT WALL SYSTEMS. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. No freedom from any patent owned by Knight Wall Systems or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use.

HCI, HCI-Girt, ThermoStop, PanelRail and RevealRail are trademarks of Knight Wall Systems, Inc. Patent 8,429,866 B2 and others pending.

KNIGHT
WALL SYSTEMS

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