



LEED® with the RHINO INSULATED HEADER SYSTEM

RHINO STEEL CORPORATION is committed to sustainable building practices established by the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System, NAHB Green and specific local green building codes including Passive House and Net Zero Energy Building (NZEB). RHINO is committed to leading the building industry to reduce their environmental impact while constructing better, more energy efficient buildings.

Most of our customers are involved in Green Building and need to know how the Rhino Insulated Header System can earn credits under LEED for New Construction and LEED for Homes Rating System. The following information may be used to determine how the Rhino Insulated Header System can be integrated into their green building process.

SUSTAINABLE STEEL & HIGH PERFORMANCE, GRAPHITE INFUSED INSULATION

Steel is one of the world's most sustainable construction materials. Its strength and durability coupled with its ability to be endlessly recycled without ever losing quality make it truly compatible with long-term sustainable development. The Rhino Insulated Header System combines sustainable, structural steel with Neopor® GPS Insulation Panels – the only thermal insulation board on the market guaranteed to maintain its' thermal performance year-after-year. Neopor® GPS has achieved the UL Greenguard Gold certification, and like steel, is structurally stable and has virtually zero environmental impact. Sustainable materials and manufacturing are central to LEED credits, and this is where we stand out as the Rhino

Insulated Header System will last hundreds of years beyond the life of a building. Cold-formed steel framing doesn't need maintenance or replacement unlike other materials. • Steel used in buildings produces little to no construction waste, unlike other structural materials. Since our header systems require no cutting, assembly or modifications, they minimize costs and eliminate onsite waste.

LEED® and GREEN BUILDING [see www.usgbc.org for more details]

Rhino Steel Corporation meets the highest sustainability standards set in all major green building standards and rating programs, including the National Green Building Standard (ICC-700) for residential buildings, ASHRAE Standard 189.1 for commercial construction, the International Green Construction Code (IgCC), and the US Green Building Council's LEED® program, which covers all types of buildings. LEED® is one of the most popular sets of criteria for scoring the sustainability of a building. LEED® aims to improve occupant well-being, environmental performance, and economic returns of buildings using established and innovative practices, standards, and technologies. Structural Steel and Neopor® GPS Insulation Panels can play a role in any high performance buildings designed to meet LEED® Certification requirements all the way up to Platinum.

The Rhino Insulated Header System can help your project quality for :

Up to 10 points under LEED® v4

MR Credit: Building Product Disclosure and Optimization Sourcing of Raw Materials – 1 point

MR Credit: Construction and Demolition Waste Management – up to 2 points

MR Credit: Building Product Disclosure and Optimization – Environmental Declarations – up to 2 points

EQ Credit: Low Emitting Materials – up to 3 points

EQ Credit: IAQ Assessment – 2 points

Up to 42 points for LEED® 2009

MR Credit 1.1: Building Reuse – up to 3 points

MR Credit 1.4: Advanced Framing – up to 4 points

MR Credit 2: Construction Waste Management – up to 2 points

MR Credit 3: Materials Reuse – up to 2 points

MR Credit 4: Recycled Content – up to 2 points

MR Credit 6: Rapidly Renewable Materials – 1 point

EA Credit 1: Optimize Energy Performance – up to 19 points

EA Credit 2.2: Envelope Thermal Efficiency – 1 point

EQ Credit 3.2: Construction Indoor Air Quality Management Plan – 1 point

ID Credit 1: Innovation in Design – up to 5 points

PC Credit 7.1: Thermal Comfort – 1 point

PC Credit 9: Acoustic Performance – 1 point

Categories:

MR = Materials & Resources

EQ = Indoor Environmental Quality

EA = Energy & Atmosphere

ID = Innovation in Design

PC = Pilot Credits

Additional Resources:

U.S. Green Building Council's LEED for Homes (www.usgbc.org)

NAHB National Green Building Program (www.nahbgreen.org)

ICC Green Building (www.iccsafe.org)