

EPS NO. 1009

SUBJECT: BUILDING GREEN AND LEED CREDITS

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The United States Green Building Council (USGBC) publishes the Leadership in Energy and Environmental Design (LEED) rating system. The latest LEED, version v4, includes new market sector adaptations for data centers, warehouses and distribution centers, hospitality, existing schools, existing retail and mid-rise residential projects

LEED v4 establishes requirements for design components that impact sustainable design. Credits or points are earned for meeting specific milestones in various categories. These categories include Location and Transportation (LT), Sustainable Sites (SS), Water Efficiency (WE), Energy and Atmosphere (EA), Materials and Resources (MR), Indoor Environmental Quality (EQ), Innovation (IN), and Regional Priority (RP). A minimum number of available points are required to achieve a LEED Certified rating. Silver, Gold, and Platinum levels are also available by meeting higher point thresholds.

R-Shield[®] insulation is an ideal insulation choice for inclusion into LEED certified building designs. The key benefit of using R-Shield insulation is a reduction in energy consumption. The following are the key categories associated with the use of R-Shield insulation in LEED certified building.

Materials & Resources

Environmental Product Declarations

R-Shield Insulation is an expanded polystyrene insulation and an industry wide Environmental Product Declaration (EPD) is available to understand environmental impacts.

Material Ingredients

A material ingredients disclosure for R-Shield Insulation is available to provide information on the ingredients contained in R-Shield Insulation.

Energy & Atmosphere

Minimum Energy Performance

R-Shield insulation helps reduce the environmental and economic harms of excessive energy use by achieving a minimum level of energy efficiency for the building and its systems.

(required)

Optimized Energy Performance

R-Shield insulation is a key building envelope component to achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use.

(up to 20 points)