

INSUL-PHEN GREY PHENOLIC PIPE INSULATIONS AND LEED

LEED Explanation

The U.S Green Building Council (USGBC) is a nonprofit coalition promoting high-performance green building design. It's members represent all segments of the building industry.

To encourage the design of green buildings, the USGBC developed a system to rate the environmental designs of buildings. The Leadership in Energy and Environmental Design (LEED™) Green Building Rating System is a voluntary, consensus-based standard that recognizes the life-cycle costing of construction.

The LEED Green Building rating System allows design professionals to accumulate credits based on meeting certain criteria pertaining to the use of environmentally friendly, sustainable, and energy-efficient products and systems. Buildings may attain one of four LEED certification levels by reaching certain point levels in each of the LEED categories. Using the LEED design process offers numerous benefits, including financial incentives in some states and localities.

Insul-Phen Grey Phenolic Pipe Insulation

Insul-Phen Grey Phenolic pipe insulation is a phenolic foam designed to provide the lowest thermal conductivity of any standard material combined with excellent flammability performances, closed cell, and good water vapor resistance. These properties make Insul-Phen Grey Phenolic Insulation the ideal material for use as pipe insulation on chilled water, cold water, and hot water pipe located in the air plenums of commercial buildings where flammability is the greatest concern but energy efficiency is still important and governed by codes.

Optimize Energy Performance

The USGBC encourages the construction industry to achieve increasing levels of energy performance above the prerequisite standard to reduce environmental impacts associated with excessive energy use.

Insul-Phen Grey insulation can help achieve high energy efficiencies by providing stable, long-term insulation for hot and cold piping equipment.

Ozone Protection

The USGBC encourages the construction industry to reduce ozone depletion and support early compliances with U.S. Clean Air Act.

Insul-Phen Grey insulation is manufactured without the use of chlorofluorocarbon (CFC) or hydrochlorofluorocarbon (HCFC) blowing agents.

In addition, the VOC levels are low with Insul-Phen Grey Phenolic having less than 3% by weight VOC.

Measurement and Verification

The USGBC encourages the construction industry to provide for the ongoing accountability and optimization of building energy and water consumption performances over time.

Insul-Phen Grey insulation helps in providing for the ongoing accountability and optimization of building energy performance over time by complying with installed equipment requirements for chiller efficiency and requirements for building specific process energy efficiency of mechanical systems and equipment.