ThermalStar® GX Series is graphite enhanced expanded polystyrene (GPS), providing an insulating value of R5 in a nominal 1″ thick panel* for various building applications!

GX SERIES

GRAPHITE ENHANCED EXPANDED POLYSTYRENE

Available with our following products:

LCi™
Laminated Continuous Wall Insulation

Nailbase
Nailable Wall and Roof Insulation

One™
Laminated Structural Continuous Wall Insulation

X-Grade®
Rigid Insulation

ThermalStar GX Series products contain more graphite than the previous GPS products released, giving the material a distinct dark gray color. Just notice the difference in appearance between GX Series and first generation GPS product.

*All R5 ThermalStar GX Series grades (10, 15, 25 psi) are manufactured at 1.06″

ThermalStar®
BY ATLAS EPS

ThermalStar GX Series is manufactured with graphite expanded polystyrene (GPS). The graphite particles act as a radiant energy reflector, increasing the insulation's resistance to heat transfer, also known as R-value. ThermalStar GX Series offers the thermal performance of XPS combined with the versatility of EPS, without harmful gases or thickness limitations.

ThermalStar GX Series products are available as 10, 15 or 25 psi and provides equal thermal performance to XPS rigid insulation for non-load bearing applications, without the extra plastic.

Compared to competing rigid insulation products, ThermalStar GX Series offers the highest vapor permeance, allowing the maximum drying potential.

ThermalStar GX Series' thermal properties are dependent simply on cells filled with air, and stable graphite technology. Designers can be confident the thermal properties do not degrade over time, and desired insulation performance for the life of the structure is achieved.

XPS has HCFC gases in its insulating cells, thus having a higher global warming potential (GWP) of 1430. Since the insulating cells of ThermalStar GX Series simply contain air, it is an environmentally friendly solution with zero GWP.

A wax matrix is incorporated into all ThermalStar GX Series products, enhancing the natural water resistance of EPS and assuring the product can withstand repeated exposure to moisture.

ThermalStar GX Series products are covered by a limited lifetime warranty for thermal and physical performance, in addition to termite resistance on select products.

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LIT1066 Rev 01-16-2019