

Levson®

Graphene XPS Board



Graphene
Enhanced Material



Thermal Insulation



Water
& Moisture Resistant



Healthy
& Eco-Friendly

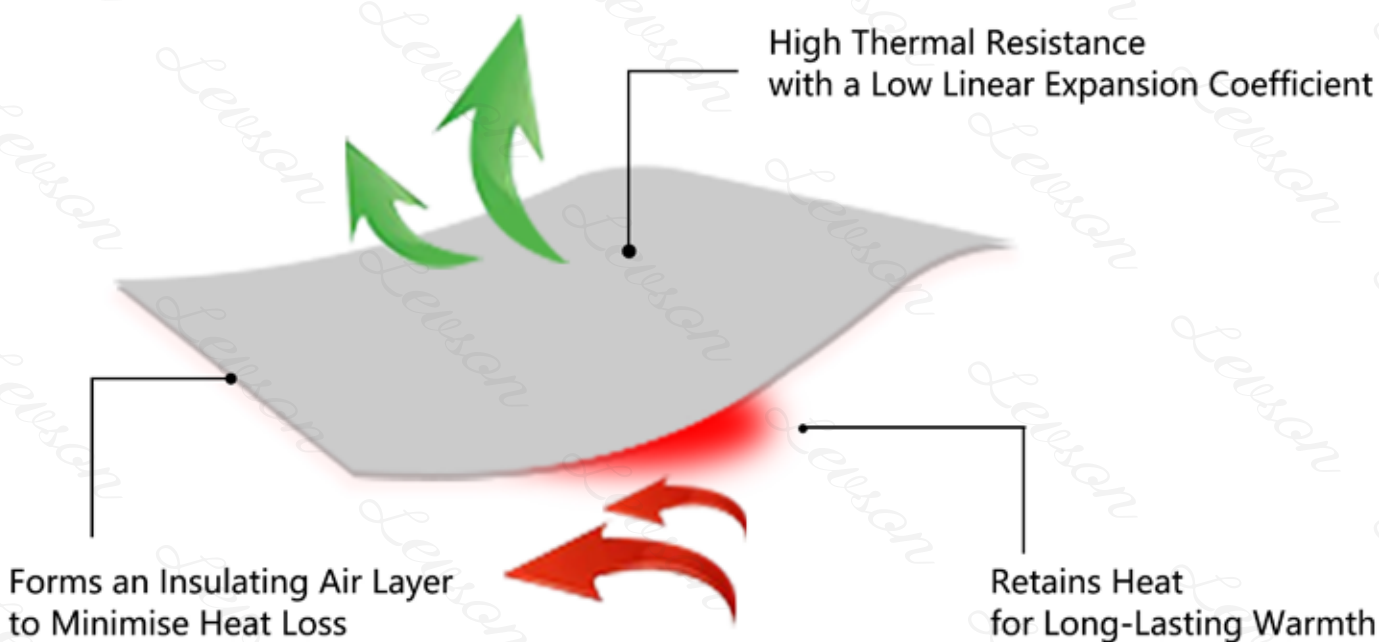


Wide Range
of Applications



Easy Installation

Graphene XPS Insulation Board is produced from graphene-enhanced polystyrene resin through an advanced extrusion process. Its uniform closed-cell structure provides ultra-low water absorption, excellent thermal insulation, flame-retardant properties, outstanding compressive strength and long-lasting durability, delivering reliable performance throughout its service life.



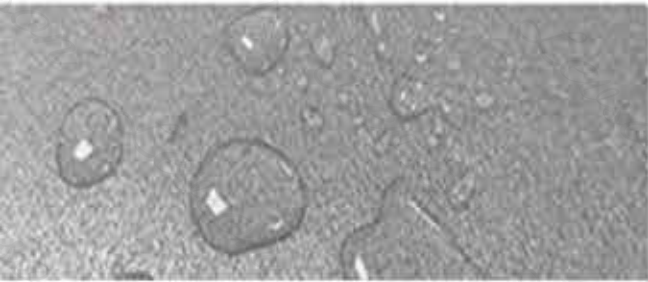


Graphene-Based Raw Materials

Backed by a fully integrated graphene supply chain, we specialise in the **R&D large-scale production and commercial application** of high-performance graphene materials.

Superior Thermal Insulation

The **99% closed-cell honeycomb structure** of Graphene XPS creates countless microscopic air pockets within the insulation board, significantly reducing heat transfer and delivering outstanding thermal insulation performance.



Excellent Moisture & Corrosion Resistance

The naturally low water absorption of XPS, combined with the hydrophobic properties of graphene, provides enhanced moisture resistance, helping to extend the service life of the insulation board.

Technical Parameters

Product	Graphene XPS Insulation Board
Material	Graphene, Polystyrene Resin
Dimensions	1670 × 600 × 20 mm
Density	>35 kg/m ³
Compressive Strength	>350 kPa
Dimensional Stability (70°C ± 2°C, 48 h)	<1.5%
Water Absorption (96 h Immersion)	<1.0%
Thermal Conductivity (Mean Temperature 25°C)	<0.030 W/(m·K)
Fire Classification	Class B1

Compliant with GB/T 10801.2-2018 (Extruded Foam Insulation Boards – XPS).

Thermal Performance: Class 030

Fire Performance: Class B1 (Flame Retardant)

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