

Building Thermal Insulation Market to Hit USD 48,763.3 Million by 2035 Driven by Energy Efficiency & Sustainability

The United States building thermal insulation market is growing at a 4.2% CAGR, driven by energy awareness, retrofitting demand, and green building incentives.

NEWARK, DE, UNITED STATES, May 22, 2025 /EINPresswire.com/ -- The global [building thermal insulation market](#) is projected to grow from USD 32,942.7 million in 2025 to USD 48,763.3 million by 2035, registering a steady compound annual growth rate (CAGR) of 4% during the forecast period. This growth is driven by increasing energy efficiency regulations, rising construction activities, and growing awareness of sustainable building practices across residential, commercial, and industrial sectors.



[Thermal insulation materials](#) are critical to reducing energy consumption in buildings by minimizing heat transfer through walls, roofs, and floors. As the construction sector shifts toward sustainable and energy-conscious practices, the adoption of high-performance insulation materials has emerged as a key solution to meet regulatory standards and reduce carbon footprints.

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The building thermal insulation market is set for strong growth, driven by rising energy efficiency demands, stricter regulations, and innovations in sustainable insulation materials worldwide.”

Nikhil Kaitwade

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Market Drivers Fueling Growth

One of the primary factors contributing to the market's expansion is the growing awareness about energy conservation and the rising cost of energy. Governments and regulatory bodies are implementing strict building energy codes, which mandate the incorporation of thermal insulation in new constructions as well as retrofitting in existing structures. This has significantly increased the demand for insulation materials in both developed and emerging economies.

Additionally, climate change mitigation efforts have accelerated the transition to low-energy and zero-energy buildings, which rely heavily on effective thermal insulation. The construction industry's shift toward achieving net-zero targets is encouraging the adoption of advanced insulation materials such as polyurethane foam, mineral wool, and expanded polystyrene.

Regional Market Insights

Europe continues to lead the global building thermal insulation market, supported by stringent regulations such as the Energy Performance of Buildings Directive (EPBD) and a well-established renovation market.

North America is another significant market, with strong demand driven by energy conservation programs, rising renovation activities, and governmental support for sustainable construction. The U.S. and Canada are witnessing widespread retrofitting of older buildings with modern insulation systems to meet evolving energy standards.

The Asia-Pacific region is expected to register the fastest growth rate in the coming years. Rapid urbanization, expanding middle-class population, and infrastructure development are key contributors to the market's expansion. Countries such as China, India, and Southeast Asian nations are increasingly adopting building thermal insulation as part of their energy conservation and sustainable housing initiatives.

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Residential and Commercial Sectors Driving Demand

The residential segment remains the largest end-use sector for building thermal insulation, particularly in new housing projects and renovation of older homes. Insulation plays a vital role in enhancing indoor comfort, reducing heating and cooling costs, and increasing property value.

Meanwhile, the commercial sector, including offices, educational institutions, healthcare facilities, and hospitality buildings, is witnessing a surge in insulation installations. Building owners and developers are recognizing the long-term cost savings and environmental benefits of thermal insulation, leading to its integration into large-scale commercial construction projects.

Building Thermal Insulation Market Top Players

- Saint-Gobain S.A.
- Owens Corning
- ROCKWOOL International A/S
- BASF SE
- Kingspan Group plc
- Johns Manville (a Berkshire Hathaway company)
- Huntsman Corporation
- Knauf Insulation
- GAF Materials LLC
- Recticel Insulation
- URSA Insulation S.A.
- Firestone Building Products (Holcim Group)

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Key Segmentation

By Material:

- Wool Insulation/Open Cell
- Stone Wool
- Fiberglass Wool
- Plastic Foams/Closed Cell
- Extruded Polystyrene
- Polyurethanes

By Building Type:

- Residential
- Commercial
- Industrial

By Application:

- Building Roof Thermal Insulation
- Building Wall Thermal Insulation
- Building Floor Thermal Insulation

By Region:

- North America
- Latin America
- Western Europe
- Eastern Europe

- East Asia
- South Asia Pacific
- Middle East and Africa

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