

South Korea Insulation Market Size, Share, Trends and Forecast by Material Type, Function, Form, End Use Industry, and Region, 2026-2034

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Abstracts

The South Korea insulation market size reached USD 1,167.6 Million in 2025. Looking forward, IMARC Group expects the market to reach USD 1,709.4 Million by 2034, exhibiting a growth rate (CAGR) of 4.20% during 2026-2034. The market is driven by increasing demand for energy-efficient buildings, stringent government regulations promoting sustainable construction, and rising awareness of insulation benefits. Urbanization and industrialization further fuel expansion of the South Korea insulation market share.

SOUTH KOREA INSULATION MARKET TRENDS:

Strict Energy Efficiency Regulations and Building Codes

The South Korean government has implemented increasingly stringent building codes and energy efficiency regulations, compelling both new constructions and retrofitting projects to incorporate advanced insulation solutions. These mandates aim to reduce overall energy consumption and carbon emissions, aligning with national sustainability goals. This regulatory push creates a consistent and growing demand for high-performance thermal insulation materials across residential, commercial, and industrial sectors. Compliance with these evolving standards is a primary driver for manufacturers and construction firms, directly contributing to the South Korea insulation market growth by necessitating the adoption of more effective and compliant insulation products. For instance, in March 2024, South Korea's Ministry of Land, Infrastructure and Transport has suspended the national standard for expanded polystyrene (EPS) insulating sandwich panels, citing fire safety concerns. Certified by the Korea Institute of Civil Engineering and Building Technology, the standard's halt is part of broader regulatory

revisions.

Advancements in Insulation Material Technologies

Technological innovations are playing a pivotal role in shaping the South Korea insulation market. The development of advanced insulation materials, such as aerogels, vacuum insulation panels (VIPs), and smart insulation solutions, is enhancing thermal performance and energy efficiency. These cutting-edge materials offer superior insulation properties in thinner profiles, which is particularly beneficial for space-constrained urban environments and modular construction techniques. Ongoing research and development efforts by manufacturers to improve material properties, durability, and ease of installation are continuously introducing new and more effective insulation products, fostering sustained South Korea insulation market growth. For instance, in March 2024, Hanwha Solutions developed high-purity insulation materials for extra-high voltage (400kV) and submarine cables using proprietary XLPE technology, marking South Korea's first domestic innovation in this sector. The materials enhance cable efficiency, durability, and heat resistance, positioning the company as a global competitor.

SOUTH KOREA INSULATION MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country/regional level for 2026-2034. Our report has categorized the market based on material type, function, form, and end use industry.

Material Type Insights:

Polystyrene

Mineral Wool

Glass Wool

Polyurethane

Calcium Silicate

Others

The report has provided a detailed breakup and analysis of the market based on the material type. This includes polystyrene, mineral wool, glass wool, polyurethane, calcium silicate, and others.

Function Insights:

Thermal

Acoustic

Electric

Others

A detailed breakup and analysis of the market based on the function have also been provided in the report. This includes thermal, acoustic, electric, and others.

Form Insights:

Blanket

Foam

Board

Pipe

Others

The report has provided a detailed breakup and analysis of the market based on the form. This includes blanket, foam, board, pipe, and others.

End Use Industry Insights:

Non-Residential

Residential

Industrial and Plant Equipment

HVAC Equipment

Appliances

Transport Equipment

Others

A detailed breakup and analysis of the market based on the end use industry have also been provided in the report. This includes non-residential, residential, industrial and plant equipment, HVAC equipment, appliances, transport equipment, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies

have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea insulation market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea insulation market on the basis of material type?

What is the breakup of the South Korea insulation market on the basis of function?

What is the breakup of the South Korea insulation market on the basis of form?

What is the breakup of the South Korea insulation market on the basis of end use industry?

What is the breakup of the South Korea insulation market on the basis of region?

What are the various stages in the value chain of the South Korea insulation market?

What are the key driving factors and challenges in the South Korea insulation market?

What is the structure of the South Korea insulation market and who are the key players?

What is the degree of competition in the South Korea insulation market?

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