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Roof Insulation Market Research Report – Global Forecast to 2032

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Description:

Global Roof Insulation Market Overview

The Roof Insulation Market Size was valued at USD 11.58 Billion in 2023. The roof insulation industry is projected to grow from USD 12.31 Billion in 2024 to USD 18.84 Billion by 2032, exhibiting a compound annual growth rate (CAGR) of 5.47% during the forecast period (2024 - 2032). Growing consumer awareness of environmentally friendly and sustainable construction materials is the key market driver enhancing market growth.

Roof Insulation Market Overview
Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Roof Insulation Market Trends

Growing consumer awareness is driving the market growth

Market CAGR for roof insulation is driven by large pharmaceutical companies, and insulation is thought to be the best option. These are becoming increasingly popular due to their higher thermal resistance and numerous advantages, including the ability to be used both above and below roofs. Organizations in the U.S. K. and Canada are actively looking to install new roof insulation as part of their remodeling strategy for their structures. A combination of two or more materials called "roof insulation" prevents heat gain or loss and conserves energy. Any size or shape of the materials is available depending on the intended use. Particularly in roofs and ceilings, insulation on the roof serves as a barrier against heat gain and loss. One of the key factors fueling the growth of the roof insulation market is the rise in demand for energy-efficient and intelligent materials across the construction sector. Materials used as insulation help to block the transmission of heat, electricity, and sound from one side to the other. The increase in different government initiatives taken by governing bodies to improve the energy efficiency of public infrastructure accelerates market growth. The market is growing due to the rising use of roof insulation in buildings and infrastructure. Because energy costs are expected to rise over the coming years, more emphasis is placed on the need for energy efficiency. Additionally, the market is expanding due to an increase in infrastructure and building renovations.

Additionally, the market for roof insulation is positively impacted by the surge in investments, expansion of the manufacturing sector, use in consumer goods packaging, and quick industrialization. Additionally, profitable opportunities for market participants are expanded by advances in materials and techniques from 2022 to 2029. The government's increased investments will also help to grow the market. Demand for energy-efficient, intelligent building materials like Roof Insulation has increased significantly. The ability to stop heat, sound, and electricity from traveling from one side to another is what insulation materials do. Similarly, roof insulation prevents overcooling during cold weather and solar radiation from heating the house during hot days. The additional benefit of preventing noise transfer is also a benefit of this. As a result, it aids in creating a calm and cozy atmosphere inside the home. Thus, driving the roof insulation market revenue.

Roof Insulation Market Segment Insights

Roof Insulation Type Insights

The roof insulation market segmentation, based on type, includes batts & rolls, rigid insulation, reflective systems and others. The rigid insulation segment dominated the market, versatile material for thermal insulation and moisture control, rigid insulation, also referred to as foam board insulation, is used in various applications. Residential, commercial, and industrial buildings use rigid insulation to provide thermal insulation and boost energy efficiency. It is installed in foundations, floors, walls, and roof systems to lessen heat transfer and maintain cozy indoor temperatures.

Roof Insulation Material Insights

The roof insulation market segmentation, based on material, includes glass wool, stone wool, plastic foam and others. The glass wool category generated the most income. Its components are made of molten glass sprayed precisely with

heat using a centrifugal spraying technique. Glass wool can be used in residential complexes to save energy, provide heat cladding, reduce sound transfer, and absorb reverberating noises. Additionally, it is preferred over other options due to its non-toxic and flame-retardant characteristics, excellent corrosion resistance, low density, remarkable chemical stability, and low moisture absorption. Additionally, the material is perfect for use in hollow walls, ceiling and bathroom tiles, curtain walls, and ducting due to its additional properties of significant water repellency, noise reduction, and sound absorption.

Roof Insulation Application Insights

The roof insulation market segmentation, based on Application, includes flat roofs and pitched roofs. The flat roofs category generated the most income. This is because of the advantages of keeping a space cool in the summer and warm in the winter. Growth over the anticipated period. There are two types of flat roofing: warm flat roofing, which uses insulation on the rooftop, and cold flat roofing, which uses insulation between the joists. The fact that they are typically inexpensive to build and install and that materials frequently used for flat roofs are widely available in this application's most important advantage. Due to their broad range of applications, upkeep and maintenance are also fairly affordable. Additionally, it is quicker, easier, and less risky to install, which raises demand for it. This type of roofing also sustains less damage and incurs lower maintenance costs. But other uses for installation space exist, such as mounting air conditioning systems, which are anticipated to boost demand and propel market revenue growth over the forecast period.

Figure 1: Roof Insulation Market, by Applications, 2022 & 2032 (USD Billion)

Roof Insulation Market, by Applications

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Roof Insulation Regional Insights

By region, the study provides market insights into North America, Europe, Asia-Pacific and Rest of the World. The North American roof insulation market area will dominate this market, Government support for energy-saving technologies like thermal insulation for buildings. For instance, the Environmental Protection Agency (EPA) lists rigid foam boards and sleek foils as examples of sleek foils, while fiberglass, rock wool, cellulose, and natural fibers are bulky fiber materials. Convective heat flow is impeded in a building cavity by bulky materials. The company also insists on using materials with higher thermal insulation values (R-value) due to sustainable considerations. Additionally, it is anticipated that a high level of public awareness in the area will keep the business thriving.

Further, the major countries studied in the market report are The US, Canada, German, France, the UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

Figure 2: ROOF INSULATION PRODUCTS MARKET SHARE BY REGION 2022 (USD Billion)

ROOF INSULATION PRODUCTS MARKET SHARE BY REGION

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Europe's roof insulation market accounts for the second-largest market share because the government offers incentives for installing roof insulation. According to estimates, buildings account for more than 40% of this region's energy use and greenhouse gas emissions. As a result, governments have been compelled to raise public awareness of the procedure's benefits and to improve the infrastructure for its installation, which has raised demand. In addition, the region has seen an increase in applications thanks to financial incentives combined with regulatory requirements. Further, the German roof insulation market held the largest market share, and the UK roof insulation market was the fastest-growing market in the European region.

The Asia-Pacific Roof Insulation Market is expected to grow at the fastest CAGR from 2023 to 2032. The use of this product is growing as consumers become more aware of its benefits, such as its ability to save money on electricity. Furthermore, they offer cyclone resistance, potential for future vertical development, and additional working space, all of which are beneficial for tropical and space-constrained regions. It is a passive method of creating thermally comfortable buildings in subtropical climates, which is expected to boost demand and fuel revenue growth in this region over the forecast period. Moreover, China's roof insulation market held the largest market share, and the Indian roof insulation market was the fastest-growing market in the Asia-Pacific region.

Roof Insulation Key Market Players & Competitive Insights

Leading market players are investing heavily in research and development in order to expand their product lines, which will help the roof insulation market grow even more. Market participants are also undertaking various strategic activities to expand their footprint, with important market developments including new product launches, contractual agreements, mergers and acquisitions, higher investments, and collaboration with other organizations. To expand and survive in a more competitive and rising market climate, roof insulation industry must offer cost-effective items.

Manufacturing locally to minimize operational costs is one of the key business tactics manufacturers use in the roof insulation industry to benefit clients and increase the market sector. In recent years, the roof insulation industry has offered some of the most significant medical advantages. Major players in the roof insulation market, including International A/S (Denmark), Knauf Insulation GmbH (Germany), Saint-Gobain (France), Owens Corning Corporation (U.S.), Berkshire Hathaway, Inc. (U.S.), BASF (Germany), The 3M Company (U.S.), Rockwool International (Denmark), The Dow Chemical Company (U.S.), Paroc (Finland), Beijing New Building Material (Group) Co. Ltd. (China), and others, are attempting to increase market demand by investing in research and development operations.

BASF SE (Germany), At BASF, people are the key to long-term success, and everyone has talent. They give their employees the resources, direction, and chances they need to advance and succeed professionally and personally. BASF creates chemistry by giving the customer the assistance required to perform at their peak and achieve their goals. After all, customer success is correlated with BASF. Whatever career path customers want, BASF is a fantastic place to start.

Dow Chemical Company (U.S.), The mission of Dow Chemical International Private Limited (Dow India) is to be the world's most cutting-edge, environmentally friendly, inclusive, and customer-focused materials science company. Dow Chemical Company are dedicated to providing the best answers to your challenges. Delivering differentiated science-based products and solutions for our customers in high-growth industries like packaging, infrastructure, and consumer care, they have one of the broadest technology portfolios spanning performance materials, industrial intermediates, and plastics. With six locations nationwide, we are a Great Place to Work® certified company that employs over 1000 people. One commercial office, three centers of excellence, and three manufacturing facilities are

among them.

Key Companies in the roof insulation market include

- International A/S (Denmark)
- Knauf Insulation GmbH (Germany)
- Saint-Gobain (France)
- Owens Corning Corporation (U.S.)
- Berkshire Hathaway, Inc. (U.S.)
- BASF (Germany)
- The 3M Company (U.S.),
- Rockwool International (Denmark)
- The Dow Chemical Company (U.S.)
- Paroc (Finland)
- Beijing New Building Material (Group) Co. Ltd. (China)

Roof Insulation Industry Developments

May 2022: Cavityrock Black, a dual-density insulation board from Rockwool International A/S, was developed to conceal insulation layers with bonded fleece faces in open-joint facades for a sleek, black appearance. This board has excellent moisture management, fire resistance, and thermal performance. Greater mechanical properties and long-term performance are the goals of the company.

January 2022: The acquisition of ITW Insulation Systems, a well-known provider of metal jacketing and insulation solutions for the industrial sector, was announced by Johns Manville (JM), a major manufacturer of building products. With more versatility, the company can expand its insulation solutions to the industrial sector, a critical strategic opportunity.

Roof Insulation Market Segmentation

Roof Insulation Type Outlook

- Batts & Rolls
- Rigid Insulation
- Reflective Systems
- Others

Roof Insulation Materials Outlook

- Glass Wool

- Stone Wool
- Plastic Foam
- Others

Roof Insulation Applications Outlook

- Flat Roof
- Pitched Roof

Roof Insulation Regional Outlook

- North America
 - US
 - Canada
- Europe
 - Germany
 - France
 - UK
 - Italy
 - Spain
 - Rest of Europe
- Asia-Pacific
 - China
 - Japan
 - India
 - Australia
 - South Korea
 - Australia
 - Rest of Asia-Pacific
- Rest of the World
 - Middle East
 - Africa
 - Latin America

Table of Content:

Contents	
Table of Contents	
1 Executive Summary	2 Research Methodology
2.1 Scope of the Study	
2.1.1 Definition	
2.1.2 Research Objective	
2.1.3 Assumptions	

- 2.1.4 Limitations
- 2.2 Research Process
 - 2.2.1 Primary Research
 - 2.2.2 Secondary Research
- 2.3 Market size Estimation
- 2.4 Forecast Model
- 3 Market Dynamics**
 - 3.1 Market Drivers
 - 3.2 Market Inhibitors
 - 3.3 Supply/Value Chain Analysis
 - 3.4 Porter's Five Forces Analysis
- 4 Global Roof Insulation Market, By Type**
 - 4.1 Introduction
 - 4.2 Batts & Rolls
 - 4.3 Rigid Insulation
 - 4.4 Reflective Systems
 - 4.5 Others
- 5 Global Roof Insulation Market, By Material**
 - 5.1 Introduction
 - 5.2 Glass Wool
 - 5.3 Stone Wool
 - 5.4 Plastic Foam
 - 5.5 Others
- 6 Global Roof Insulation Market, By Application**
 - 6.1 Introduction
 - 6.2 Flat Roof
 - 6.3 Pitched Roof
- 7 Regional Market Analysis**
 - 7.1 Introduction
 - 7.2 North America
 - 7.2.1 U.S.
 - 7.2.2 Canada
 - 7.3 Europe
 - 7.3.1 U.K
 - 7.3.2 France
 - 7.3.3 Germany
 - 7.3.4 Spain
 - 7.3.5 Rest of Europe
 - 7.4 Asia Pacific
 - 7.4.1 China
 - 7.4.2 Japan
 - 7.4.3 India
 - 7.4.4 Rest of Asia-Pacific
 - 7.5 Rest of the World
- 8 Competitive Analysis**
 - 8.1 Introduction
 - 8.2 Competitive Scenario
 - 8.2.1 Market Share Analysis
 - 8.2.2 Market Development Analysis
 - 8.2.3 Technology/Service Benchmarking
 - 8.3 International A/S (Denmark)
 - 8.3.1 Overview
 - 8.3.2 Product/Service Offering
 - 8.3.3 Strategy
 - 8.4 Knauf Insulation GmbH (Germany)
 - 8.4.1 Overview
 - 8.4.2 Product/Service Offering
 - 8.4.3 Strategy
 - 8.5 Saint-Gobain (France)
 - 8.5.1 Overview
 - 8.5.2 Product/Service Offering
 - 8.5.3 Strategy
 - 8.6 Owens Corning Corporation (U.S.)
 - 8.6.1 Overview
 - 8.6.2 Product/Service Offering
 - 8.6.3 Strategy
 - 8.7 Berkshire Hathaway, Inc. (U.S.)
 - 8.7.1 Overview
 - 8.7.2 Product/Service Offering
 - 8.7.3 Strategy
 - 8.8 BASF (Germany)
 - 8.8.1 Overview
 - 8.8.2 Product/Service Offering
 - 8.8.3 Strategy
 - 8.8 The 3M Company (U.S.)
 - 8.8.1 Overview
 - 8.8.2 Product/Service Offering
 - 8.8.3 Strategy
 - 8.10 Rockwool International (Denmark)
 - 8.10.1 Overview
 - 8.10.2 Product/Service Offering
 - 8.10.3 Strategy
 - 8.11 The Dow Chemical Company (U.S.)
 - 8.11.1 Overview
 - 8.11.2 Product/Service Offering
 - 8.11.3 Strategy
 - 8.12 Paroc (Finland)
 - 8.12.1 Overview
 - 8.12.2 Product/Service Offering
 - 8.12.3 Strategy

