

Global Green Building Materials Market Outlook 2027

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Abstracts

Building and construction activities worldwide consume around 3 billion tons of raw materials each year. This value is expected to continue to increase in the coming years owing to the increasing demand for housing across the globe. Using green building products and materials promotes the conservation of dwindling nonrenewable resources. According to BlueQuark Research & Consulting, the Global Green Building Materials Market is expected to witness a considerable growth rate during the forecast period. The green building materials market is driven by the growing demand for eco-friendly buildings to promote green building standards. Moreover, the rise in environmental conservation consciousness and supportive regulations and policies are further boosting the market growth. Green buildings require high capital investment compared to conventional buildings that can hinder the market growth in the forecast period.

Buildings worldwide consume about 40% of the planet's green materials resources and 30% of its energy and generate between 10 to 40% of the solid waste streams in most countries. According to research conducted by UK Green Building Council, around 59% of the UK's total waste output is from construction, demolition, and excavation. According to the World Health Organization (WHO), outdoor air pollution kills around 4.2 million people worldwide each year. Moreover, according to recent studies, even a small increase in fine particulate matter per cubic meter corresponds to a 15% increase in COVID-19 deaths. A study of air quality in Italy's northern provinces of Lombardy and Emilia Romagna also found a correlation between Covid-19 mortality rates and high levels of pollution.

The international market for green building projects has grown significantly in the last ten years and is expected to grow further in the near future due to measurable benefits for occupants and owners such as reduced operational costs, improved indoor air quality, and reduced energy consumption. Growth in eco friendly building material for

green building standards is further increasing due to regulatory policies and government interventions such as the Clean Growth Strategy by the UK government to incentivize people to opt for more energy efficiency properties. Some banks in the UK offer lower interest rates to boost the construction of eco-friendly buildings. Similarly, green building programs such as Leadership in Energy and Environmental Design (LEED) have been a significant driver of market transformation globally. In developing countries such as India, about 60% of the infrastructure is yet to build such as residential buildings and commercial properties that are evolving and incorporating green products and features in the buildings for a sustainable future.

Green buildings support sustainable material for construction technologies and emphasizing the installation of energy-saving and self-sufficient appliances such as SmartGrid dishwashers, refrigerators, and washing machines. These technologies are oriented towards establishing zero-energy homes as well as commercial buildings. In July 2020, the New Zealand government announced its Building for Climate Change Programme, setting out plans to slash carbon emission in the construction sector and improve building resilience to climate change. The New Zealand government is making a bold climate commitment with a plan to transform the building sector, which includes aggressive new efficiency standards for energy and water use and mandatory reporting requirements on construction material and construction waste.

The global Green Building Materials Market is segmented on the basis of Type and End-User Industry. The Application segment is further segmented as Residential and Non-Residential (Commercial, Industrial, and Institutional), and Others. Between the exterior and interior segments, the exterior product type dominated the market and is expected to continue dominance in the forecast period.

The residential sector has become a big market for environment-friendly green building material due to growing public awareness and a rise in disposable incomes. Residential green building practices include designing and constructing homes that use energy, water, and materials efficiently, have a reduced impact on the physical environment, and promote a healthy indoor environment. Our environment and quality of life are largely impacted by population growth and housing developments. The sheer number of existing housing units, as well as the potential impact of future growth in the state, directly increases the need for an integrated green building approach to housing. The Sustainable Buildings Industry Council has adopted a tagline “Beyond Green” in a commitment to design and build high-performance homes by a strongly integrated approach of design. Moreover, the International Code Council has released 14 different codes, dubbed the I-Codes or the International Family of Codes. I-Codes address a

range of topics, including fire safety, energy-efficiency, and green building construction towards a sustainable residential sector. In India, the Indian Green Building Council is developing more than 1.5 billion sq. ft of green building space that is equivalent to more than 1,800 projects and 1,300,000 dwelling units for families. Over 500 developers are involved in approximately 175 towns and cities of India.

Based on geography, the global Green Building Materials Market is segmented into Asia Pacific, North America, South America, Europe, and Middle East & Africa. North America dominated the market supported by the government's regulations towards the usage of green building materials.

The United States is the world's largest economies. The GDP of the country has decreased at an annual rate of 5% in the first quarter and 9.5% in the second quarter of 2020 due to the ongoing coronavirus pandemic. Leadership in Energy and Environmental Design (LEED) is developed by the US Green Building Council that provides a framework for implementing measurable green building design, construction, operations, and maintenance solutions. It works throughout the building lifecycle. According to the Department of Energy, buildings account for 71% of the United States' electricity use and 38% of all greenhouse gas emissions. LEED claims to cut those numbers by 25-30% in the region by 2030. There are currently over fifty regional and national green labeling programs throughout the United States involved in regulating construction techniques, waste reduction & recycling, and water-efficient processes, among others. According to LEED, the US demand for green building materials is expected to expand by more than 15% in the near future, generating sales of more than USD 100 billion. Forest Stewardship Council - certified lumber and wood panels, both of which are produced via environmentally responsible and socially beneficial forestry practices, are expected to post the strongest growth among green products.

According to Associated General Contractors of America, construction is a major contributor to the US economy. The construction industry has more than 680,000 employers with over 7 million employees and creates nearly USD 1.3 trillion worth of structures each year. The construction industry in the region is growing due to a strong economy and positive market fundamentals for commercial real estate, along with an increase in federal and state funding for public works and institutional buildings. In 2020, construction spending in the first two months combined increased 8% from the same period in 2019, spurred by a 13% jump in single-family construction, an 11% rise in public construction, and the lowest 1% increase in private nonresidential spending. The green construction is beneficial in curbing the pollution levels and is expected to be adopted by many of the new construction and renovations in the big cities of the

region. For instance, New York has about one million buildings, of which 90% are predicted to exist in 2050. To substantially cut emissions, the government is planning the bulk of the reductions from renovating the buildings by green construction to cut carbon emission. The United States has one of the world's most well-established governmental air quality monitoring networks. Efforts put in place as a result of the Clean Air Act of 1970, in addition to the 1990 amendments, have created gradual improvements in national air quality across all six key criteria pollutants.

The global market for green building materials is consolidated. Some of the major key players are DuPont, Owens Corning, Kingspan Group, Sika AG, Basf SE, and PPG Industries Inc., among others.

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On 27th May 2020, The experts of Master Builders Solutions have therefore developed the Innovative Technology for SLS that supersedes conventional techniques: it is less time and labor-intensive, reduces construction costs and CO2 emissions, and meets the highest quality standards.

Our Global Green Building Materials Market report provides deep insight into the current and future state of the green building materials market across various regions. Also, the study comprehensively analyzes the green building materials market by segments based on type (Interior Products (Flooring, Insulation, and Paint), Exterior Products (Roofing, Windows, and Doors), and Others (Structural Products, Plumbing Fixtures, etc.)), and by end-user industry (Residential and Non-Residential (Commercial, Industrial and Institutional), and Others), and by Geography (Asia Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints, along with the impact of Covid-19 are influencing the market growth in detail. The study covers & includes emerging market trends, market developments, market opportunities, market size, market analysis, market dynamics, and challenges in the industry. This report also covers extensively researched competitive landscape sections with profiles of major companies including their market share and projects.

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United States

Canada

Mexico

Europe

United Kingdom

Germany

Italy

France

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Rest of Asia-Pacific

South America

Brazil
Argentina
West of South America
Middle East & Africa
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A.
Building Materials Co. Ltd.

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