

Green Building Materials – A Global Market Overview

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Abstracts

Green Building Materials Market Trends and Outlook

The primary purpose of using Green Building Materials is to construct environment-friendly structures, since these materials help conserve the depleting resources of non-renewable materials mainly used in construction. The energy efficiency and eco-friendliness of these materials can be attributed to their fabrication using renewable sources, such as mycelium, hempcrete, thermally modified wood, fly ash, recycled plastic, straw bales, bamboo, fiber cement, rammed earth, timbercrete and grasscrete. Green Building Materials, apart from being used for construction, are also employed for design, maintenance and renovation purposes.

The global market for Green Building Materials is likely to witness a CAGR of 10.1% during the 2024-2030 analysis period and reach a projected US\$645.5 billion by 2030 from an estimated US\$363.4 billion in 2024.

Given the level of construction activity going on across the world, Green Building Materials have emerged as a viable alternative to conventional materials being used due to several reasons, the most important of which include conservation of depleting non-renewable resources, eco-friendly processes used to make green building materials, wider acceptance for these materials owing to climate change, need for energy efficiency in buildings and government policies & global smart city projects boosting application of green building materials.

Green Building Materials Regional Market Analysis

Asia-Pacific represents the largest global market for Green Building Materials, which is also likely to be the fastest growing. Increasing construction activity in the region, be it to accommodate the growing population in residences or to set up industrial operations

or establish commercial spaces, has stimulated the need for eco-friendly materials, which Green Building Materials can satisfy. Considering the benefits offered by these materials, even well-entrenched economies of the West are choosing Green solutions to construct buildings.

Green Building Materials Market Analysis by Application

The key application areas for Green Building Materials include Insulation, Roofing, Framing, Interior Finishing and Exterior Siding. Owing to the fact that heat transfer between the exterior and interior of a building can be controlled by using proper Insulation, this application of Green Building Materials leads the global market. Eco-friendly materials, such as cellulose, natural fibers and other recycled materials are widely used for this due to their outstanding thermal resistance. Roofing is another area where the use of Green Building Materials has grown considerably, since green roofs are being considered as Nature-Based Solutions (NBS) that can overcome a range of environmental issues related to climate change. Some of the more commonly used green roofing materials include terracotta, wood shingles, asphalt shingles, metals (tin, copper, aluminum & galvanized steel), fiber cement, ferrocement, rubber, thermoplastic polyolefin (TPO) and slates. Because of this, the demand for these Green Building Materials in Roofing applications would post the fastest growth over the analysis period.

Green Building Materials Market Analysis by End-Use Sector

End-users of Green Building Materials comprise the Residential, Commercial, Industrial & Institutional and Infrastructure sectors. The Residential sector leads the worldwide demand for Green Building Materials in terms of size, as well as growth, since they offer energy efficiency, resistance to moisture, durability and ease of maintenance. Also, an increased awareness about how these materials can help conserve the environment has stimulated demand, which is likely to continue. The Industrial & Institutional sectors for Green Building Materials are also expected to maintain a healthy growth, while demand from the Infrastructure sectors will clock the slowest CAGR during the 2024-2030 analysis period.

Green Building Materials Report Scope

This global report on Biodegradable Polymers analyzes the market based on type and application area. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

Key Metrics

Historical Period: 2021-2023

Base Year: 2023

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 70+

Green Building Materials Market by Geographic Region

North America (The United States, Canada and Mexico)

Europe (France, Germany, Italy, Russia, Spain, The United Kingdom and Rest of Europe)

Asia-Pacific (China, Japan, India, South Korea and Rest of Asia-Pacific)

South America (Argentina, Brazil and Rest of South America)

Rest of World (Middle East & Africa)

Green Building Materials Market by Application

Exterior Siding

Framing

Insulation

Interior Finishing

Roofing

Green Building Materials Market by End-Use Sector

- o Commercial
- o Industrial & Institutional
- o Infrastructure
- o Residential

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Insulation

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Commercial

Industrial & Institutional

Infrastructure

Residential

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ATT Sp. Z O.O.

Aecom

Aerzener Maschinenfabrik GmbH

Alberta Innovates

Alumasc Group Plc

American Hydrotech, Inc.

Amvic, Inc.

Andersen Corp

Armstrong World Industries, Inc.

BASF SE

Battle Lake Design Group

Bauder Ltd.

Binderholz GmbH

BMI Group

Br Matozinhos Fundicoes Ltda

CEMEX S.A.B. de C.V.

CertainTeed Corp

Chengdu Onekin Green Building Materials Co Ltd

China Communications Construction Co Ltd (CCCC)

China State Construction Engineering Corp (CSCEC)
Cielo Brazil
Clark Group
Colt International Licensing Ltd
Departysh D Ltd
DowDuPont, Inc.
Ecostar LLC
EDGE Colombia
Electro Aco Altona
Firestone Building products Co LLC
Fletcher Insulation Pty Ltd
Forbo International SA
GAF Material Corp
GMR Group
GVK Group
Georgia-Pacific LLC
Gilbane Building Co
Green Build Products Pvt Ltd
GreenKeys
Grundik Sp. Z O.O.
GSky Plant Systems, Inc.
Hachler GmbH
Heidelberg Cement
Hensel Phelps
Hindustan Construction Co
Homasote Co
Interface Inc
Internationale Geotextil GmbH
Iridex Group
Johns Manville Corp
Kajima Corp
Kingspan Group Plc
Klabin SA
Knauf Insulation Ltd
Kontur Sp. Z O.O.
LG Hausys Ltd
LafargeHolcim Ltd
Larsen & Toubro
Lendlease

Lhoist UK Ltd
LIXIL Group Corp
Macon Group
Marvin Windows and Doors, Inc.
Mastal Sp. Z O.O.
Matcons
Middle East Building Materials LLC
Mohawk Industries, Inc.
National Fiber
Nichicha Corp
Norboard Inc
Norsonic AS
Owens Corning
Pella Corp
PPG Industries
RedBuilt LLC
Reward Wall Systems
Rockwool International A/S
Roseburg Forest Products Co, Inc.
Saint-Gobain SA
Schmidth Technology GmbH
Sensor spol. s.r.o.
Shanghai Construction Group (SCG)
Shimizu Corp
Sika AG
Sika Sarnafil Inc
Skanska USA
Soben International (Asia-Pacific) Ltd
Somaco
Standard Industries, Inc
Structurlam Products Ltd
Supertech Q Materials SRL
Suzano
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Insulation

Interior Finishing

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Industrial & Institutional

Infrastructure

Residential

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