

# Green Building Materials Market: Innovations and Future Growth in Sustainable Construction | DataMIntelligence

*Projected at 7.5% CAGR, the green building materials market will hit \$490.72Bn by 2032, fueled by sustainability rules, tech innovation & eco-conscious building.*

NEW YORK, NY, UNITED STATES, July 22, 2025 /EINPresswire.com/ -- Market Overview :-

The [Green Building Materials Market](#) is experiencing robust growth, driven by a collective push towards sustainability and carbon neutrality across the construction industry. Valued at USD

275.15 billion in 2024, the market is projected to expand at a CAGR of 7.5%, reaching USD 490.72 billion by 2032. This surge is underpinned by increasing regulatory mandates, growing consumer awareness of environmental impacts, and technological innovations that improve the performance and cost-efficiency of eco-friendly materials.



Green building materials reduce carbon footprints, enhance energy efficiency, and drive the sustainable transformation of construction for a resilient future of sustainable communities.”

*DataM Intelligence*

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Green building materials Market Drivers are :

Stringent environmental regulations: Governments worldwide are enforcing green building codes and incentives to reduce the carbon footprint of new developments.



Rising energy costs: Demand for materials that enhance insulation and energy efficiency (e.g.,

high-performance glass, structural insulated panels) continues to climb.

Corporate sustainability commitments: Developers and investors prioritize LEED, BREEAM, and other certifications, boosting uptake of certified green materials.

Technological advancements: Innovations in bio-based composites, recycled content, and nanomaterials are expanding product portfolios.

Urbanization & population growth: Rapid construction in emerging economies necessitates cost-effective, sustainable building solutions.

Consumer awareness: End users increasingly prefer healthier indoor environments, driving demand for low-VOC paints, breathable insulation, and natural fiber products.

#### Green Building materials Market Key Players

BASF SE

Bauder Limited

Binderholz GmbH

DuPont

Kingspan Group plc

Owens Corning

Forbo Global SA

Amvik Systems

Cemex S.A.B. de C.V.

Techno Green PVC Pvt. Ltd.

#### Green Building materials Market Segmentation :

The Green Building Materials Market can be segmented as follows:

##### By Material Type

Insulation (mineral wool, cellulose, bio-based foams)

Roofing & Waterproofing (green roofs, reflective membranes)

Flooring (bamboo, cork, recycled rubber)

Paints & Coatings (low-VOC, water-based)

Concrete & Cement Alternatives (geopolymers, fly ash blends)

By Application

Residential Buildings

Commercial Buildings

Industrial Facilities

Infrastructure

By Function

Thermal Insulation

Moisture & Vapor Control

Structural Reinforcement

Acoustic Performance

Aesthetic/Surface Finishing

By Region

North America

Europe

Asia Pacific

Latin America

Middle East & Africa

## Latest News- USA

January-2025: Sensoria Inc. closed a US\$-25-million Series-B financing round to expand its North American smart-textile manufacturing capacity for performance apparel and medical shirts.

February-2025: Eeonyx Corporation inaugurated a state-of-the-art graphene-enhanced fiber facility in Ohio, tripling its production capability for conductive yarns used in intelligent garments.

June-2024: AIQ Smart Clothing Inc. secured FDA 510(k) clearance for its ECG-monitoring smart shirt, becoming the first textile-based wearable to gain such approval in the U.S.

## Latest News- Japan

March-2025: Toray Industries, in collaboration with Ohmatex ApS, began commercial trials of its phase-change thermal-regulating smart fabric in seating systems for Toyota's latest electric vehicles.

March-2024: Clothing+ (Jabil) partnered with Mitsubishi Electric to integrate conductive yarns into industrial uniforms, enabling in-garment posture correction alerts and safety monitoring for factory workers.

October-2023: Ohmatex ApS showcased its adaptive thermal fabric prototype at CEATEC-2023, developed jointly with Toray Industries for automotive and consumer-wear applications.

## Green Building materials Most Key Developments to Date

BASF SE launched a next-gen biofoam insulation in Q1-2024, offering 20% higher R-value per inch compared to traditional PU foams.

Kingspan Group plc broadened its North American presence in June 2024 by opening a new plant in Texas, effectively doubling its output of structural insulated panels.

In late 2023, DuPont launched a concrete additive that significantly lowers carbon emissions—cutting CO<sub>2</sub> output by up to 30% during the curing phase.

Owens Corning introduced a roofing shingle in February 2024 made with 50% recycled post-consumer glass, delivering durability alongside enhanced sustainability.

Binderholz GmbH finalized a major CLT production facility in Austria and began exporting its first shipments to the U.S. and Japan in mid-2024.

Cemex achieved LEED Platinum for its pilot geopolymers cement production line, marking a major milestone in low-carbon concrete alternatives.

Amvik Systems secured a government contract in India (March 2024) to supply bamboo fiber reinforced composites for affordable housing prototypes.

### Concluding Paragraph

As global emphasis on decarbonization intensifies, the Green Building Materials Market is poised for sustained expansion. Stakeholders from policy makers to architects, developers to end users stand to benefit from the cost savings, health improvements, and environmental gains offered by these innovative products. Collaboration across the value chain will be essential to drive further R&D, streamline supply chains, and scale up manufacturing capacities. Ultimately, the transition to greener materials is not only a regulatory imperative but also a strategic opportunity to future-proof the built environment.

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