+357 96 030922
info@marketpublishers.com

The Global Market for Bio-based and Sustainable Construction 2025-2035

https://marketpublishers.com/r/GA715FD9BBCBEN.html
Date: December 2014
Pages: 275
Price: US$ 1,300.00 (Single User License)
ID: GA715FD9BBCBEN

Abstracts

Bio-based materials comprise roughly 10% of total construction materials, with primary segments including engineered wood products, bio-based insulation, natural fiber composites, and recycled materials. Mass timber leads growth, particularly cross-laminated timber (CLT) with 30% annual growth. Bio-based insulation materials, including hemp, straw, and mycelium-based products, show 15-20% annual growth. Market expansion through 2030 will be driven by:

Increasing carbon reduction regulations

Growing green building certification requirements

Improved material performance and durability

Cost competitiveness with traditional materials

Enhanced manufacturing scalability

Emerging technologies include:

Advanced bio-composites using agricultural waste

Carbon-negative concrete alternatives

Self-healing bio-materials

+357 96 030922
info@marketpublishers.com

Integrated smart bio-based materials

Nano-cellulose construction products

The market transformation is supported by policy initiatives, including carbon pricing, embodied carbon regulations, and green building incentives. Industry partnerships between material manufacturers, construction companies, and research institutions accelerate innovation and commercialization. Future growth will be particularly strong in:

Mass timber buildings

Bio-based insulation

Natural fiber composites

Recycled content materials

Carbon-sequestering materials

This market evolution represents a fundamental shift toward sustainable construction practices, driven by environmental imperatives and improving economic viability.

The Global Market for Biobased and Sustainable Construction 2025-2035 analyzes the rapidly evolving biobased and sustainable construction materials industry, providing detailed insights into market trends, technological developments, and growth opportunities through 2035. Report contents include:

Materials analysis:

Hemp-based materials including hempcrete and insulation

Mycelium-based structural and insulation materials

Advanced concrete alternatives featuring geopolymers and self-healing properties

Natural fiber composites and cellulose nanofibers

+357 96 030922
info@marketpublishers.com

Sustainable insulation materials including bio-based aerogels

Carbon capture and utilization technologies

Green steel production methods

Alternative cement production technologies

Market Segmentation:

Residential construction

Commercial and office buildings

Infrastructure projects

Industrial facilities

Technology Analysis:

Self-healing concrete technologies

Microalgae biocement

Carbon-negative concrete solutions

Advanced aerogel materials

Hydrogen-based steel production

Carbon capture and utilization

Alternative fuel technologies

Comprehensive profiles of 165 companies leading innovation in sustainable construction, including:

Established materials manufacturers

+357 96 030922
info@marketpublishers.com

Technology startups

Green steel producers

Carbon capture specialists

Alternative cement developers. Companies profiled include 1414 Degrees, Adaptavate, Aizawa Concrete Corporation, Alchemy GmbH, Algoma Steel, Aperam BioEnergia, ABIS Aerogel, Active Aerogels, Aerobel BV, Aerofybers Technologies, aerogel-it GmbH, Aerogel Core, Aerogel Technologies, AGITEC International, Airco Process Technology, Aker Carbon Capture, Antora Energy, ArcelorMittal, Ardent, Armacell International, Aspen Aerogels, Basilisk, BASF, Betolar, Bio Fab NZ, Biohm, Biomason, BioZeroc, Blastr Green Steel, Blue Planet Systems, Blueshift Materials, Boston Metal, Brimstone, ByFusion Global, C2CNT/Capital Power, Cabot Corporation, Cambridge Carbon Capture, Cambridge Electric Cement, Capsol Technologies, CarbiCrete, Carbonaide, CarbonBuilt, CarbonCure Technologies, Carbon Re, Carbon Upcycling Technologies, Carbon8 Systems, C-Capture, Cellicon, Cellutech AB (Stora Enso), CemVision AB, Checkerspot, China Baowu Steel, Concrene, Concretenne, Concrete4Change, Coolbrook, Croft, DMAT, Dongjin Semichem, ecoLocked, Eden Innovations, Electra Steel, Electrified Thermal Solutions, Elisto, Emirates Steel Arkan, Fibenol, Fuji Silysia Chemical, Gelanggang Kencana, Giammarco Vetrocoke, Greeniron H2 AB, GravitHy, Greenore, Green Earth Aerogel Technologies, Guangdong Alison Hi-Tech, Hebei Jinna Technology, H2 Green Steel, HBIS Group, Helios, HempWood, Hexion, Holcim, Hoffmann Green Cement Technologies and more.....

Regional Analysis:

Market penetration by region

Regulatory frameworks

Growth opportunities

Regional manufacturing capabilities

Projections through 2035 covering:

+357 96 030922
info@marketpublishers.com

Market size by material type

Sector-specific growth rates

Technology adoption trends

Price competitiveness evolution

Manufacturing scale-up potential

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: The Global Market for Bio-based and Sustainable Construction 2025-2035

Product link: https://marketpublishers.com/r/GA715FD9BBCBEN.html

Price: US$ 1,300.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GA715FD9BBCBEN.html