Low Carbon Construction Materials Market 2025-2029: Unveiling Growth Developments with the Latest Updates

The Business Research Company's Low Carbon Construction Materials Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

The Business Research Company

LONDON, GREATER LONDON, UNITED KINGDOM, November 3, 2025 /EINPresswire.com/ -- What Is The Expected Cagr For The Low Carbon Construction Materials Market Through 2025?
In recent times, there has been impressive growth in the low carbon construction materials market size . The market is set to expand from $259.42 billion in 2024 to $281.84 billion in 2025, exhibiting a compound annual growth rate (CAGR) of 8.6%. Factors such as heightened demand in the building and construction sector, a surge in the acceptance of sustainable products, a rise in the demand for environmentally friendly building solutions, increased interest in sustainable building materials, and heightened environmental consciousness and regulations have all contributed to this growth experienced in the historical period.

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It is projected that the low carbon construction materials market will experience robust expansion in the upcoming years. The market is anticipated to rise to a worth of $394.38 billion in 2029, with a Compound Annual Growth Rate (CAGR) of 8.8%. The expansion during the forecast period is largely owing to the escalating public and corporate cognizance towards climate change, stricter regulations, increasing inclination towards green and sustainable building alternatives, heightened emphasis on sustainability and environmental infrastructure, and the rise in construction endeavors. Foremost trends in the forecast duration include the establishment of green building norms, breakthroughs in material technology and science, technological incorporation, innovation in sustainable construction materials, and the adoption of creative sustainable solutions.

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What Are The Driving Factors Impacting The Low Carbon Construction Materials Market?
The upward trajectory in the need for new houses is projected to boost the expansion of the low-carbon construction materials market in the future. An upsurge in population, urbanization, and the aspiration for contemporary facilities and uniquely tailored living areas fuel the demand for new residences. Low-carbon construction materials are necessary for constructing new houses to diminish greenhouse gas discharges, reduce environmental harm, and promote eco-friendly construction techniques. For example, in November 2023, the Department for Levelling Up, Housing and Communities, a government department in the UK, reported a significant increase in residential development with the count of new homes escalating from 217,750 to 234,460 between the periods 2020-21 and 2021-22. As such, the surging demand for new homes is propelling the growth of the low-carbon construction materials market.

Which Players Dominate The Low Carbon Construction Materials Industry Landscape?
Major players in the Low Carbon Construction Materials include:
• ArcelorMittal S.A.
• POSCO
• Nippon Steel Corporation
• Rio Tinto Group
• Nucor Corporation
• Holcim Limited
• Tata Steel Limited
• Hesteel Group Company Limited
• Steel Dynamics Inc.
• China Hongqiao Group Limited

What Are The Main Trends, Positively Impacting The Growth Of Low Carbon Construction Materials Market?
Leading businesses in the low-carbon construction material market are making strides towards creating technologically superior products like energy-efficient glasses, with the goal of lessening their environmental effect while still delivering high-performance results. These energy-efficient glasses are designed in a specific way to reduce heat loss or gain, improve thermal insulation, and enhance energy conservation in edifices. To cite an example, Saint-Gobain India, a renowned construction firm situated in India, unveiled a low-carbon glass in June 2023. The newly designed glass from Saint Gobain Glass India aims to diminish carbon emissions by roughly 40% than their existing products. Despite the reduction in carbon footprint, it does not compromise on its technical, quality, and aesthetic aspects compared to conventional glass. Set to join the energy-efficient glass lineup, this new introduction is expected to drastically lessen the embodied carbon in structures and ameliorate their operational energy efficiency.

Global Low Carbon Construction Materials Market Segmentation By Type, Application, And Region

The low carbon construction materials market covered in this report is segmented –

1) By Material: Plastic, Metal, Mass Timber, Green Concrete, Green Tiles, Low-Carbon Bricks, Other Materials
2) By Application: Residential, Commercial, Industrial, Other Applications
3) By End-User: Repair And Maintenance Activities, New Construction Activities

Subsegments:
1) By Plastic: Recycled Plastic Materials, Biodegradable Plastics, Composite Plastics
2) By Metal: Recycled Steel, Aluminum Alloys, Low-Carbon Steel
3) By Mass Timber: Cross-Laminated Timber (CLT), Glulam (Glued Laminated Timber), Laminated Veneer Lumber (LVL)
4) By Green Concrete: High-Performance Concrete, Fly Ash Concrete, Geopolymer Concrete, Recycled Aggregate Concrete
5) By Green Tiles: Recycled Ceramic Tiles, Sustainable Porcelain Tiles, Green Roof Tiles
6) By Low-Carbon Bricks: Fly Ash Bricks, Compressed Earth Blocks (CEBs), Recycled Clay Bricks
7) By Other Materials: Hempcrete, Bamboo, Rammed Earth, Cork

View the full low carbon construction materials market report:
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Which Region Holds The Largest Market Share In The Low Carbon Construction Materials Market?

In 2024, Asia-Pacific held the leading position in the low carbon construction materials market, predicting the fastest growth in the forthcoming period. The market report encompassing low carbon construction materials covers regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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