

Autoclaved Aerated Concrete Market to Hit USD 22.2 Billion by 2035, Growing at 5.1% CAGR

Analysis of Autoclaved Aerated Concrete Market Covering 30+ Countries Including Analysis of US, Canada, UK, Germany, France, Nordics, GCC countries, Japan

MD, UNITED STATES, July 25, 2025

/EINPresswire.com/ -- The global [autoclaved aerated concrete market](#) is projected to increase from USD 13.5 billion in 2025 to USD 22.2 billion by 2035, with a CAGR of 5.1%. The rising demand for sustainable and energy-efficient construction materials, driven by increasing urbanization and

environmental concerns, is a key factor propelling market growth. Autoclaved aerated concrete, a lightweight and eco-friendly building material, offers excellent thermal insulation, fire resistance, and structural durability, making it a preferred choice in residential, commercial, and industrial construction projects.

The growing emphasis on green building practices and sustainable construction has significantly boosted the adoption of AAC. This trend is particularly prominent in regions with stringent environmental regulations, such as Europe and North America, where governments and developers prioritize materials that reduce carbon footprints. Additionally, the increasing need for affordable housing, especially in developing economies, has fueled the demand for cost-effective and efficient construction materials like AAC. Advancements in manufacturing processes, such as improved curing techniques and automation, are also contributing to market expansion by enhancing production efficiency and product quality.

Autoclaved aerated concrete is widely used in various construction applications, including walls, floors, roofs, and cladding systems. Its lightweight nature reduces structural load, lowers transportation costs, and simplifies installation, making it ideal for both new constructions and renovation projects. The material's superior insulation properties help reduce energy consumption in buildings, aligning with global efforts to combat climate change. Furthermore,



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AAC's resistance to fire, pests, and seismic activity enhances its appeal in regions prone to natural disasters.

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"Innovations in AAC production technologies are pivotal for meeting the growing demand for sustainable construction materials. Manufacturers must focus on optimizing production processes and developing high-performance AAC products to cater to diverse construction needs while maintaining cost competitiveness," opines a Fact.MR analyst.

Autoclaved Aerated Concrete Market Insights: Key Trends and Growth:

The Fact.MR report highlights robust growth in the AAC market, driven by increasing construction activities and the shift toward sustainable building materials. The rising adoption of green certifications, such as LEED and BREEAM, is a significant growth driver, as AAC aligns with their stringent environmental standards. Blocks remain the dominant product type due to their versatility and ease of use in construction projects. Non-residential applications, particularly in commercial and industrial sectors, are gaining traction due to AAC's durability and cost-efficiency. Europe leads the market, supported by advanced construction practices and favorable government policies promoting sustainable materials. However, high initial production costs and limited awareness in some developing regions pose challenges to market growth.

Key Takeaways from the Market Study:

- * The global autoclaved aerated concrete market is projected to grow at a CAGR of 6.2% from 2024 to 2035.

- * Europe is expected to account for 38.7% of the global market share in 2024, with Germany holding a significant share in the region.

- * The Asia-Pacific AAC market is forecasted to grow at a CAGR of 7.1% through 2035, driven by rapid urbanization in countries like India and China.

Based on product type, AAC blocks hold a dominant market share of 62.4% in 2024.

- * The residential construction segment accounts for 48.6% of the market share in 2024.

- * The market in North America, led by the United States, is valued at USD 4.8 billion in 2024 and is expected to grow at a CAGR of 5.9% through 2035.

Autoclaved Aerated Concrete Market Competitive Landscape:

Key players in the global AAC market include Xella Group, H+H International, CSR Limited, Aercon AAC, and Buildmate Projects Pvt. Ltd. These companies focus on innovation, investing heavily in research and development to enhance AAC's strength, insulation properties, and sustainability. Strategic partnerships with construction firms and government bodies are common to expand market presence. Smaller players often leverage technological advancements from industry

leaders to improve their product offerings. The competitive landscape is shaped by innovation, regulatory compliance, and the ability to cater to region-specific construction demands.

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Autoclaved Aerated Concrete Industry News:

* In April 2023, Xella Group introduced a new line of AAC blocks with enhanced thermal insulation properties, targeting energy-efficient building projects in Europe.

* In August 2023, H+H International announced a collaboration with a leading construction firm in Asia to supply AAC for large-scale residential projects.

* In February 2024, CSR Limited launched an automated AAC production facility in Australia, increasing output capacity and reducing production costs.

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