

Autoclaved Aerated Concrete (AAC) Market Report by Type (Blocks, Beams and Lintels, Cladding Panels, Roof Panels, Wall Panels, Floor Elements, and Others), Application (Construction Materials, Road Construction, Roof Insulation, Bridge Sub-Structure, Void Filling, and Others), End User (Residential, Non-Residential), and Region 2024-2032

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Abstracts

The global autoclaved aerated concrete (AAC) market size reached US\$ 21.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 34.8 Billion by 2032, exhibiting a growth rate (CAGR) of 5.64% during 2024-2032.

Autoclaved aerated concrete (AAC), or autoclaved cellular concrete, refers to a prefabricated, lightweight building material that is manufactured from quartz, sand, aggregates, lime, gypsum, and expansion agents. It constitutes an excessive amount of air that reduces the overall weight and density of the product. AAC is extensively used for the quick installation of walls, roofs, and floors due to its durability, fire resistance, thermal insulation, and energy efficiency. Currently, it is commercially available in varying forms, such as blocks, tiles, lintel, and panels.

Autoclaved Aerated Concrete (AAC) Market Trends:

The widespread adoption of AAC across the commercial and residential sectors for constructing interior and exterior structures is one of the key factors driving the market growth. In line with this, the increasing demand for lightweight construction materials and the rising inclination of end users toward AAC due to its various benefits are acting as other growth-inducing factors. Additionally, the shifting preference for low-cost houses and the increasing demand for soundproof buildings are boosting the market

growth. Furthermore, numerous initiatives undertaken by the governments of various nations for strengthening and renovating existing infrastructure are contributing to the market growth. Apart from this, strategic collaboration among the key players and the increasing investments in the research and development (R&D) activities for producing industrial by-products through recycling AAC waste to minimize the disposal in landfills are creating a positive outlook for the market across the globe. Other factors, such as rapid urbanization and industrialization, growing construction and development activities, the introduction of eco-friendly certified green building materials, and rising environmental consciousness among individuals, are providing an impetus to the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global autoclaved aerated concrete (AAC) market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, application and end user.

Breakup by Type:

- Blocks
- Beams and Lintels
- Cladding Panels
- Roof Panels
- Wall Panels
- Floor Elements
- Others

Breakup by Application:

- Construction Materials
- Road Construction
- Roof Insulation
- Bridge Sub-Structure
- Void Filling
- Others

Breakup by End User:

- Residential

Non-Residential

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Aercon AAC, AKG Gazbeton, Bauroc AS, Biltech Building Elements Limited, Buildmate Projects Pvt. Ltd., CSR Limited, Eastland Building Materials Co. Ltd., H+H International A/S, HIL Limited, JK Lakshmi Cement Ltd., UAL Industries Limited, UltraTech Cement Ltd. (Aditya Birla Group) and Xella Group.

Key Questions Answered in This Report

1. What was the size of the global autoclaved aerated concrete (AAC) market in 2023?

2. What is the expected growth rate of the global autoclaved aerated concrete (AAC) market during 2024-2032?
3. What are the key factors driving the global autoclaved aerated concrete (AAC) market?
4. What has been the impact of COVID-19 on the global autoclaved aerated concrete (AAC) market?
5. What is the breakup of the global autoclaved aerated concrete (AAC) market based on the type?
6. What is the breakup of the global autoclaved aerated concrete (AAC) market based on the application?
7. What is the breakup of the global autoclaved aerated concrete (AAC) market based on end user?
8. What are the key regions in the global autoclaved aerated concrete (AAC) market?
9. Who are the key players/companies in the global autoclaved aerated concrete (AAC) market?

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