

# **Autoclaved Aerated Concrete (AAC) Market by Element (Blocks, Beams & Lintels, Cladding Panels, Wall Panels, Roof Panels, Floor Elements), End-use Industry (Residential, Non-Residential), and Region - Global Forecast to 2025**

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## **Abstracts**

The global AAC market is projected to register a CAGR of 6.0% between 2020 and 2025.

The global autoclaved aerated concrete (AAC) market size is projected to grow from USD 18.8 billion in 2020 to USD 25.2 billion by 2025, at a CAGR of 6.0%, between 2020 and 2025. The major driving factors include the increasing urbanization & industrialization, growth in the infrastructure sector, rising demand for lightweight construction materials, growing preferences for low-cost houses, and an ever-increasing focus on green & soundproof buildings are the factors driving the market. However, the cost associated with AAC and the lack of awareness is expected to restrain this market. Focus on construction projects with a high affinity for earthquakes, and low market penetration is expected to offer significant growth opportunities to the AAC manufacturers. A significant challenge faced by the players in this market is the brittle nature of these materials.

The blocks segment is expected to grow at the highest CAGR during the forecast period in the AAC market.

The blocks element is the largest and fastest-growing segment attributed to the increase in demand for AAC blocks in residential as well as non-residential industries. Besides AAC blocks' insulating capability, one of its advantages in construction is its quick and easy installation, because the material can be routed, sanded, and cut to size

on site.

The non-residential segment is expected to be the fastest-growing end-use industry during the forecast period in the AAC market, in terms of volume

The two most critical considerations for a well-designed commercial building are aesthetics and functionality. AAC is one of the world's most-produced building materials after concrete. AAC is manufactured mostly as blocks and panels. Unlike concrete masonry units, AAC blocks are solid, with no molded core holes. Four inches of AAC has a 4-hour fire rating, making it ideal in commercial buildings for encasing steel columns, surrounding elevator shafts, and for other fire-stopping requirements.

AAC offers highly efficient thermal insulation, optimal fire protection, and masonry with excellent load-bearing abilities. Large-format prefabricated AAC panels are used in large-scale business construction projects, such as logistics centers, warehouses, and production facilities, as well as event centers and sports halls. AAC is not only used to construct inner leaves of cavity walls and partitioning walls but also internal, external, and firewalls in both load-bearing and non-load bearing designs.

APAC is expected to be the largest AAC market during the forecast period.

APAC was the largest market for AAC in 2019. The large market size in the region is attributed to the growth of the building & construction industry. Additionally, growing awareness and the extraordinary properties of the material are expected to increase the overall market penetration.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the AAC market, and information was gathered from secondary research to determine and verify the market size of several segments and subsegments.

By Company Type: Tier 1 – 40%, Tier 2 – 30%, and Tier 3 – 30%

By Designation: C Level – 20%, D Level – 30%, and Others – 50%

By Region: North America – 20%, APAC – 40%, Europe – 20%, South America-10%, and the Middle East & Africa – 10%

The key companies profiled in the AAC market report include Buildmate Projects Pvt. Ltd. (India), Biltech Building Elements Limited (India), AKG Gazbeton (Turkey), Aercon Florida Llc (US), Solbet Sp Z.O.O. (Poland), UAL Industries Ltd (India), H+H International A/S (Denmark), JK Lakshmi Cement (India), Xella Group (Germany), CSR Ltd. (Australia), UltraTech Cement Ltd. (India), Quinn Building Products (UK), Bauroc International AS (Estonia), and Wehrhahn GmbH (Germany).

#### Research Coverage:

This report provides detailed segmentation of the AAC market based on element, end-use industry, and region. The element segment is divided into blocks, beams & lintels, cladding panels, roof panels, wall panels, floor elements, and others. Based on the end-use industry, the AAC market has been segmented into residential and non-residential. Based on the region, the market has been segmented into North America, Europe, APAC, the Middle East & Africa, and South America.

#### Key Benefits of Buying the Report

From an insight perspective, this research report focuses on various levels of analyses — industry analysis (industry trends), market share ranking of top players, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the AAC market; high growth regions; and market drivers, restraints, opportunities, and challenges.

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