+357 96 030922
info@marketpublishers.com

Asia-Pacific AAC Blocks and Panels Market By Type (Blocks, Panels, Lintels, Others), By Distribution Channel (Direct Sales, Indirect Sales) By End Use (Residential, Commercial, Industrial, Infrastructure), By Country, Competition, Forecast and Opportunities, 2020-2030F

https://marketpublishers.com/r/AB66FE1EF87AEN.html
Date: July 2025
Pages: 133
Price: US$ 4,000.00 (Single User License)
ID: AB66FE1EF87AEN

Abstracts

Market Overview

Asia-Pacific AAC Blocks and Panels Market was valued at USD 10.42 Billion in 2024 and is expected to reach USD 16.42 Billion by 2030 with a CAGR of 7.71% during the forecast period.

The Asia-Pacific Autoclaved Aerated Concrete (AAC) Blocks and Panels Market refers to the regional industry focused on the production, distribution, and use of AAC-based building materials, including blocks, panels, lintels, and other prefabricated components. AAC is a lightweight, precast, foam concrete building material that offers superior insulation, fire resistance, and environmental sustainability compared to traditional construction materials like clay bricks or concrete blocks. These properties make AAC products increasingly attractive for modern construction practices across residential, commercial, and infrastructure sectors.

The AAC Blocks and Panels market in Asia-Pacific is experiencing substantial growth due to a combination of economic, environmental, and regulatory factors. Rapid urbanization and infrastructure development in major countries such as China, India, Indonesia, and Vietnam are creating strong demand for fast, cost-effective, and sustainable construction materials. Governments across the region are actively

+357 96 030922
info@marketpublishers.com

promoting green building practices, encouraging the adoption of eco-friendly products like AAC, which significantly reduce carbon emissions and energy consumption in buildings.

Key Market Drivers

Rapid Urbanization and Infrastructure Development

The Asia-Pacific region is witnessing rapid and large-scale urbanization, driven by population growth, economic development, and a steady influx of people into metropolitan areas. This trend has resulted in increased demand for infrastructure that is not only resilient and cost-effective but also sustainable and energy-efficient. In response, there is a rising preference for advanced construction materials that can support faster project delivery without compromising on quality or environmental considerations.

Autoclaved aerated concrete (AAC) blocks and panels are gaining popularity as an ideal solution for meeting the demands of urban infrastructure development. Their lightweight nature significantly reduces structural loads, while their superior thermal insulation properties enhance energy efficiency in buildings. These characteristics are particularly important in densely populated cities, where minimizing environmental impact and maximizing space utilization are essential.

In addition to their environmental advantages, AAC products offer practical construction benefits. Their ease of handling and rapid installation contribute to shortened project timelines and reduced labor requirements, addressing common challenges in urban construction. These qualities make AAC an increasingly preferred material in high-rise buildings, commercial complexes, and public infrastructure projects throughout the region.

As Asia-Pacific cities continue to expand and modernize, AAC blocks and panels are set to play a pivotal role in shaping sustainable and efficient urban development.

In India, the government's Pradhan Mantri Awas Yojana (PMAY) aims to provide affordable housing to all by 2022, targeting the construction of millions of homes. The Union Budget 2022–2023 allocated approximately USD 130.57 billion for infrastructure development, with the Ministry of Housing and Urban Affairs receiving around USD 9.85 billion to fund various projects nationwide

+357 96 030922
info@marketpublishers.com

Key Market Challenges

Limited Awareness and Adoption of Autoclaved Aerated Concrete Materials

A significant challenge for the Asia-Pacific market for Autoclaved Aerated Concrete (AAC) blocks and panels lies in the limited awareness of the material's benefits among builders, contractors, and developers. Although AAC products offer numerous advantages, such as lightweight properties, thermal insulation, and energy efficiency, these benefits are not widely recognized in certain regions within Asia-Pacific. In some areas, traditional building materials such as concrete and bricks have been the standard for decades, and there is a lack of familiarity with the technical aspects and advantages of AAC.

This lack of awareness can result in resistance to adopting new materials, as stakeholders may not fully appreciate how AAC can contribute to reduced construction costs, faster project timelines, and long-term energy savings. Moreover, the perception that AAC is a relatively newer material compared to traditional construction options can lead to hesitance in adoption, particularly when it comes to large-scale infrastructure projects.

Overcoming this challenge requires increased educational efforts, marketing campaigns, and outreach programs aimed at demonstrating the long-term cost benefits, safety features, and environmental impact reductions that come with using AAC. Industry players need to provide case studies, testimonials, and data to build confidence in AAC products among key decision-makers. Greater collaboration with government bodies to highlight the material's alignment with sustainability goals can also aid in driving adoption. Without such efforts, the potential of the AAC market in Asia-Pacific will remain underutilized, limiting its growth and expansion prospects.

Key Market Players

Xella Group.

CSR Limited.

H+H International A/S

BigBloc Construction Ltd

+357 96 030922
info@marketpublishers.com

Keda Industrial Group

JSW Group.

LafargeHolcim.

BASF SE

AAC Block Manufacturing Company.

Techno Block.

Report Scope:

In this report, the Asia-Pacific AAC Blocks and Panels Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Asia-Pacific AAC Blocks and Panels Market, By Type:

Blocks

Panels

Lintels

Others

Asia-Pacific AAC Blocks and Panels Market, By Distribution Channel:

Direct Sales

Indirect Sales

Asia-Pacific AAC Blocks and Panels Market, By End Use:

Residential

+357 96 030922
info@marketpublishers.com

Commercial

Industrial

Infrastructure

Asia-Pacific AAC Blocks and Panels Market, By Country:

China

Japan

India

South Korea

Australia

Singapore

Thailand

Malaysia

Rest of Asia-Pacific

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Asia-Pacific AAC Blocks and Panels Market.

Available Customizations:

Asia-Pacific AAC Blocks and Panels Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

+357 96 030922
info@marketpublishers.com

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

6. CHINA AAC BLOCKS AND PANELS MARKET OUTLOOK

7. JAPAN AAC BLOCKS AND PANELS MARKET OUTLOOK

8. INDIA AAC BLOCKS AND PANELS MARKET OUTLOOK

9. SOUTH KOREA AAC BLOCKS AND PANELS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. AUSTRALIA AAC BLOCKS AND PANELS MARKET OUTLOOK

11. SINGAPORE AAC BLOCKS AND PANELS MARKET OUTLOOK

12. THAILAND AAC BLOCKS AND PANELS MARKET OUTLOOK

13. MALAYSIA AAC BLOCKS AND PANELS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Asia-Pacific AAC Blocks and Panels Market By Type (Blocks, Panels, Lintels, Others), By Distribution Channel (Direct Sales, Indirect Sales) By End Use (Residential, Commercial, Industrial, Infrastructure), By Country, Competition, Forecast and Opportunities, 2020-2030F

Product link: https://marketpublishers.com/r/AB66FE1EF87AEN.html

Price: US$ 4,000.00 (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/AB66FE1EF87AEN.html