

# **Asia-Pacific Mivan Construction Market By Construction Type (New Construction, Renovation), By Application (Residential Construction, Commercial Construction, Industrial Construction), By Formwork (Single-Use Formwork, Reusable Formwork), By Component (Wall Component, Beam Components, Deck Components, Others), By Country, Competition, Forecast and Opportunities, 2020-2030F**

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## **Abstracts**

### **Market Overview**

The Asia-Pacific Mivan Construction Market was valued at USD 1.09 Billion in 2024 and is projected to reach USD 2.18 Billion by 2030, growing at a CAGR of 12.11% during the forecast period. This growth is driven by rapid urban expansion, rising demand for efficient housing solutions, and the growing adoption of modern construction technologies across the region. Mivan construction, which utilizes aluminum formwork for seamless concrete casting, is gaining popularity due to its ability to deliver high-quality, uniform structures while significantly reducing construction time and labor costs. Countries such as India, China, and those in Southeast Asia are embracing Mivan technology for large-scale residential and infrastructure projects. The system's precision, durability, and cost-efficiency make it particularly suitable for urban environments where speed and space optimization are essential. Developers are increasingly turning to Mivan systems to meet tight project deadlines and rising expectations for build quality.

### **Key Market Drivers**

## Rapid Urbanization and Growing Infrastructure Demand

The accelerated pace of urbanization across Asia-Pacific is a major driver for Mivan construction adoption. With the growing need for affordable and high-density housing, particularly in populous countries such as India and China, developers are seeking construction methods that can deliver speed and efficiency without compromising quality. Government initiatives like India's Housing for All are boosting the uptake of Mivan systems due to their ability to reduce project timelines by up to 30%. The aluminum formwork technology not only supports faster completion but also offers consistent construction quality, making it ideal for mass housing and infrastructure developments. In commercial and urban infrastructure projects, where precision and durability are essential, Mivan construction is becoming an integral part of the region's modern building strategies.

## Key Market Challenges

### High Initial Investment and Equipment Costs

One of the primary challenges restraining the adoption of Mivan construction in the Asia-Pacific region is the high upfront cost of aluminum formwork systems. While the method delivers long-term efficiencies, the capital required for initial setup is significantly higher than that of traditional construction practices. The cost of Mivan formwork can be more than five times greater than conventional systems, posing a barrier for small and mid-sized contractors. Additionally, operational expenses related to system maintenance and the requirement for skilled labor further raise the financial burden. This limits adoption among budget-constrained projects and in markets where cost sensitivity is high. While large-scale developers may justify the investment through long-term returns and time savings, smaller players often hesitate, slowing the widespread deployment of Mivan technology in the region.

## Key Market Trends

### Increasing Urbanization and Infrastructure Development

With urban populations surging across countries such as India, China, and Southeast Asia, demand for rapid, high-quality construction solutions is increasing. Mivan construction aligns well with this need, particularly in the vertical development of residential and commercial spaces. The technique's use of reusable aluminum

formwork enables consistent, fast-paced construction ideal for high-rise buildings in dense urban environments. As land availability becomes limited, developers are focusing on vertical expansion, where Mivan systems offer significant time and labor advantages. The trend towards urban densification and large-scale public housing further enhances the relevance of Mivan construction as cities aim to deliver infrastructure at speed and scale.

### Key Market Players

Mivan Ltd

PERI SE Formwork Scaffolding Engineering

Altrad RMD Kwikform

Doka India Pvt. Ltd.

Larsen & Toubro Limited

Fluor Corporation

Daiwa House Industry Co., Ltd.

ATCO Ltd.

### Report Scope:

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

Asia-Pacific Mivan Construction Market, By Construction Type:

New Construction

Renovation

Asia-Pacific Mivan Construction Market, By Application:

Residential Construction

Commercial Construction

Industrial Construction

Asia-Pacific Mivan Construction Market, By Formwork:

Single-Use Formwork

Reusable Formwork

Asia-Pacific Mivan Construction Market, By Component:

Wall Component

Beam Components

Deck Components

Others

Asia-Pacific Mivan Construction Market, By Country:

China

Japan

India

South Korea

Australia

Singapore

Thailand

## Malaysia

### Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the Asia-Pacific Mivan Construction Market.

### Available Customizations:

Asia-Pacific Mivan Construction 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

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

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