

# **Mivan Construction Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, 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 Region & Competition, 2021-2031F**

<https://marketpublishers.com/r/M8A5E59EAFEFEN.html>

Date: May 2026

Pages: 177

Price: US\$ 4,500.00 (Single User License)

ID: M8A5E59EAFEFEN

## **Abstracts**

The Global Mivan Construction Market is projected to grow from USD 3.92 billion in 2025 to USD 7.05 billion by 2031, at a compound annual growth rate of 10.28%. This modern engineering methodology employs high-strength aluminum formwork panels to cast walls and slabs simultaneously in a continuous monolithic pour. The market is primarily propelled by the urgent necessity for rapid mass housing development and the system's ability to significantly reduce turnaround times compared to conventional framing techniques. Its structural durability and the high reusability of aluminum components further drive adoption, offering long-term cost amortization for large-scale projects that require repetitive floor plans. According to the Aluminum Association, 62% of building and construction professionals anticipated an increase in their use of aluminum in future projects in 2024, highlighting the material's growing reliance despite certain economic hurdles.

## **Market Driver**

The primary catalysts for the Mivan construction market are the surge in global

urbanization and the urgent demand for affordable housing. As cities expand, the need for mass housing pushes developers towards scalable aluminum formwork systems, a transition frequently supported by government initiatives incentivizing low-cost residential developments. For instance, the India Brand Equity Foundation reported in August 2024 that the government announced the Pradhan Mantri Awas Yojana-Urban 2.0 with an investment of INR 10 lakh crore, aiming to address the housing needs of one crore families, while the State Council of the People's Republic of China noted in October 2024 that 1.48 million affordable housing units were constructed nationwide in the first nine months of the year. Concurrently, a significant reduction in construction turnaround times acts as another major driver, as Mivan systems allow for simultaneous casting, streamlining building cycles compared to traditional methods. Lianggong Formwork stated in February 2025 that projects utilizing aluminum formwork systems demonstrated a 30 percent reduction in completion time over conventional timber methods, which is vital for developers facing tight delivery schedules, enabling faster project handover and improved liquidity.

## **Market Challenge**

A critical impediment to the expansion of the Global Mivan Construction Market is the substantial initial capital expenditure required for procuring aluminum formwork systems, which creates a severe liquidity barrier for small and medium-sized enterprises by demanding heavy upfront investments. This financial structure compels developers to allocate capital immediately for customized panels, unlike traditional methods where expenses are distributed, thereby restricting market adoption primarily to large-scale developers. Furthermore, market expansion is stifled by the direct correlation between this initial outlay and volatile raw material costs; for example, the Associated General Contractors of America reported in 2025 that the producer price index for aluminum mill shapes rose by 22.8% compared to the prior year, drastically inflating the procurement price of Mivan formwork and often forcing cost-conscious developers to revert to less capital-intensive techniques.

## **Market Trends**

Despite these challenges, the market is significantly shifting toward the adoption of robotics and automation in assembly, utilizing semi-automated systems to mitigate dependency on manual labor for heavy panel positioning and ensure continuous monolithic pouring schedules. This trend addresses severe labor deficits, as highlighted by the Associated General Contractors of America's August 2025 '2025 Workforce Survey,' which found that 92 percent of construction firms reported difficulty finding

qualified workers, thereby directly incentivizing automated formwork handling systems. Simultaneously, the market is witnessing rapid expansion into Tier 2 cities and developing regions, characterized by the localization of formwork supply chains to bypass logistical bottlenecks of centralized manufacturing. This strategic move establishes indigenous production facilities within emerging economies, reducing import costs and supporting regional affordable housing initiatives, as exemplified by Lighthouse Funds' investment of INR 300 crore in Knest Manufacturers to scale aluminum formwork production in India, noted by Construction World in June 2025.

## 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 Global Mivan Construction Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Mivan Construction Market, By Construction Type

New Construction

Renovation

## Mivan Construction Market, By Application

Residential Construction

Commercial Construction

Industrial Construction

## Mivan Construction Market, By Formwork

Single-Use Formwork

Reusable Formwork

## Mivan Construction Market, By Component

Wall Component

Beam Components

Deck Components

Others

## Mivan Construction Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Mivan Construction Market.

**Available Customizations:**

Global 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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