

# **Asia-Pacific Float Glass Market By Product Type (Clear Float Glass, Tinted Float Glass, Patterned Float Glass, Reflective Float Glass, Others), By End-Use Industry (Building & Construction, Automotive & Transportation, Solar Energy, Consumer Goods, Industrial), By Thickness (Up to 4 mm, 4–6 mm, 6–10 mm, Above 10 mm), By Country, Competition, Forecast and Opportunities, 2020-2030F**

<https://marketpublishers.com/r/AFFE40AFB26BEN.html>

Date: May 2025

Pages: 123

Price: US\$ 4,000.00 (Single User License)

ID: AFFE40AFB26BEN

## **Abstracts**

### Market Overview

The Asia-Pacific Float Glass Market was valued at USD 14.14 billion in 2024 and is projected to reach USD 19.61 billion by 2030, growing at a CAGR of 5.44% during the forecast period. The market is experiencing steady growth, primarily fueled by rapid expansion in construction, infrastructure, and rising demand from the automotive and solar energy sectors. Float glass, appreciated for its consistent thickness and excellent optical clarity, is widely utilized in architectural and automotive applications due to its functionality and visual appeal. Countries like China, India, Vietnam, and Indonesia are witnessing major urbanization and construction booms, boosting float glass demand across residential, commercial, and industrial projects. Government investments in public infrastructure, including smart cities, airports, and high-rise developments, are also reinforcing market momentum. Additionally, the automotive industry's expansion—particularly in China and India—is driving increased use of float glass for laminated and tinted windows. The solar energy sector is another significant growth contributor, with float glass playing a key role in photovoltaic panels, supported by ambitious renewable energy targets and increasing manufacturing capacity across the

region.

## Key Market Drivers

### Rapid Urbanization and Infrastructure Development

The accelerating pace of urbanization in Asia-Pacific is significantly elevating the need for float glass, particularly in fast-developing countries like China, India, Indonesia, and Vietnam. As urban populations swell, demand for modern residential, commercial, and public infrastructure is rising sharply. Float glass, with its adaptability for facades, interiors, and window applications, is becoming a staple in urban construction. The United Nations projects that over 55% of the region's population will reside in urban areas by 2030, up from 47% in 2020. Programs such as India's Smart Cities Mission and China's Belt and Road Initiative are injecting substantial funds into infrastructure development, reinforcing the requirement for high-performance glass materials. Float glass's ability to accommodate coatings for solar reflectivity, UV protection, and thermal insulation makes it ideal for meeting energy-efficiency standards and aesthetic expectations in modern architecture. As high-rise buildings, malls, and public transit hubs proliferate, demand for float glass in double-glazing systems and curtain walls continues to grow, supported by policy shifts favoring green and sustainable building solutions.

## Key Market Challenges

### Volatility in Raw Material and Energy Costs

A major challenge confronting float glass manufacturers in Asia-Pacific is the unpredictability of raw material and energy costs. The production process relies on materials like silica sand, soda ash, dolomite, and limestone, all of which are subject to global price fluctuations. Additionally, the energy-intensive nature of float glass manufacturing—requiring continuous high-temperature furnace operation—makes energy costs a substantial portion of total expenses. In markets such as India and China, fluctuations in coal, natural gas, and electricity prices can severely impact profitability. Recent global energy crises and geopolitical conflicts, such as the Russia–Ukraine war, have led to spikes in fuel prices, adding to operational uncertainty. These rising input costs pose challenges for pricing strategies and production planning, forcing manufacturers to either absorb costs or pass them on to consumers, which may affect competitiveness.

## Key Market Trends

### Expansion of Solar Energy Projects Driving Demand for Solar Float Glass

The surge in solar energy deployment across Asia-Pacific is driving heightened demand for solar-grade float glass, particularly low-iron, high-transparency variants used in photovoltaic and solar thermal systems. Countries like China, India, Vietnam, and Australia are aggressively scaling up solar capacity to meet ambitious renewable energy goals. China remains the global leader in solar installations, spurring demand for ultra-clear float glass for both PV and CSP applications. In India, the National Solar Mission is targeting 280 GW of solar capacity by 2030, directly boosting demand for float glass in solar module manufacturing. Supportive government policies such as feed-in tariffs, tax incentives, and production-linked incentives (PLI) are attracting investments in solar panel production and, by extension, float glass facilities. Manufacturers are also enhancing production capabilities with anti-reflective coatings to improve solar panel efficiency, positioning float glass as a critical component in Asia-Pacific's clean energy transition.

## Key Market Players

Nippon Sheet Glass Co., Ltd.

Asahi Glass Co., Ltd.

Saint-Gobain S.A.

Xinyi Glass Holdings Limited

China Glass Holdings Limited

Taiwan Glass Ind. Corp

Fuyao Glass Industry Group Co., Ltd.

Kibing Group

Sisecam Group

Gold Plus Glass Industry Limited

## Report Scope:

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

### Asia-Pacific Float Glass Market, By Product Type:

Clear Float Glass

Tinted Float Glass

Patterned Float Glass

Reflective Float Glass

Others

### Asia-Pacific Float Glass Market, By End-Use Industry:

Building & Construction

Automotive & Transportation

Solar Energy

Consumer Goods

Industrial

### Asia-Pacific Float Glass Market, By Thickness:

Up to 4 mm

4–6 mm

6–10 mm

Above 10 mm

Asia-Pacific Float Glass Market, By Country:

China

Japan

India

South Korea

Australia

Singapore

Thailand

Malaysi

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Asia-Pacific Float Glass Market.

Available Customizations:

Asia-Pacific Float Glass 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).

## Contents

### 1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### 2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### 3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

### 4. VOICE OF CUSTOMER

### 5. ASIA-PACIFIC FLOAT GLASS MARKET OUTLOOK

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Product Type (Clear Float Glass, Tinted Float Glass, Patterned Float Glass, Reflective Float Glass, Others)
  - 5.2.2. By End-Use Industry (Building & Construction, Automotive & Transportation, Solar Energy, Consumer Goods, Industrial)

- 5.2.3. By Thickness (Up to 4 mm, 4–6 mm, 6–10 mm, Above 10 mm)
- 5.2.4. By Country (China, Japan, India, South Korea, Australia, Singapore, Thailand, Malaysia, Rest of Asia-Pacific)
- 5.3. By Company (2024)
- 5.4. Market Map

## **6. CHINA FLOAT GLASS MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Product Type
  - 6.2.2. By End-Use Industry
  - 6.2.3. By Thickness

## **7. JAPAN FLOAT GLASS MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Product Type
  - 7.2.2. By End-Use Industry
  - 7.2.3. By Thickness

## **8. INDIA FLOAT GLASS MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Product Type
  - 8.2.2. By End-Use Industry
  - 8.2.3. By Thickness

## **9. SOUTH KOREA FLOAT GLASS MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Product Type

- 9.2.2. By End-Use Industry
- 9.2.3. By Thickness

## **10. AUSTRALIA FLOAT GLASS MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Product Type
  - 10.2.2. By End-Use Industry
  - 10.2.3. By Thickness

## **11. SINGAPORE FLOAT GLASS MARKET OUTLOOK**

- 11.1. Market Size & Forecast
  - 11.1.1. By Value
- 11.2. Market Share & Forecast
  - 11.2.1. By Product Type
  - 11.2.2. By End-Use Industry
  - 11.2.3. By Thickness

## **12. THAILAND FLOAT GLASS MARKET OUTLOOK**

- 12.1. Market Size & Forecast
  - 12.1.1. By Value
- 12.2. Market Share & Forecast
  - 12.2.1. By Product Type
  - 12.2.2. By End-Use Industry
  - 12.2.3. By Thickness

## **13. MALAYSIA FLOAT GLASS MARKET OUTLOOK**

- 13.1. Market Size & Forecast
  - 13.1.1. By Value
- 13.2. Market Share & Forecast
  - 13.2.1. By Product Type
  - 13.2.2. By End-Use Industry
  - 13.2.3. By Thickness

## **14. MARKET DYNAMICS**

- 14.1. Drivers
- 14.2. Challenges

## **15. MARKET TRENDS AND DEVELOPMENTS**

- 15.1. Merger & Acquisition (If Any)
- 15.2. Product Launches (If Any)
- 15.3. Recent Developments

## **16. COMPANY PROFILES**

- 16.1. Nippon Sheet Glass Co., Ltd.
  - 16.1.1. Business Overview
  - 16.1.2. Key Revenue and Financials
  - 16.1.3. Recent Developments
  - 16.1.4. Key Personnel
  - 16.1.5. Key Product/Services Offered
- 16.2. Asahi Glass Co., Ltd.
- 16.3. Saint-Gobain S.A.
- 16.4. Xinyi Glass Holdings Limited
- 16.5. China Glass Holdings Limited
- 16.6. Taiwan Glass Ind. Corp
- 16.7. Fuyao Glass Industry Group Co., Ltd.
- 16.8. Kibing Group
- 16.9. Sisecam Group
- 16.10. Gold Plus Glass Industry Limited

## **17. STRATEGIC RECOMMENDATIONS**

## **18. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Asia-Pacific Float Glass Market By Product Type (Clear Float Glass, Tinted Float Glass, Patterned Float Glass, Reflective Float Glass, Others), By End-Use Industry (Building & Construction, Automotive & Transportation, Solar Energy, Consumer Goods, Industrial), By Thickness (Up to 4 mm, 4–6 mm, 6–10 mm, Above 10 mm), By Country, Competition, Forecast and Opportunities, 2020-2030F

Product link: <https://marketpublishers.com/r/AFFE40AFB26BEN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AFFE40AFB26BEN.html>