

Flat Glass Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global flat glass market size reached US\$ 108.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 148.5 Billion by 2028, exhibiting a growth rate (CAGR) of 4.8% during 2023-2028.

Flat glass, also known as sheet or plate glass, is most commonly used for manufacturing windows, doors, mirrors and solar panels. It is produced by melting sand, soda ash and silica into liquid and spreading it to the desired thickness. The molten liquid is then cooled to obtain the desired product. Flat glass is produced via controlled thermal and chemical reactions to ensure toughness in the structural formation. Despite this, flat glass is highly flexible and customizable once it is made.

Flat Glass Market Trends:

The thriving construction industry is the key factor driving the growth of the market. Furthermore, the increasing infrastructural expenditure on the construction of eco-friendly green buildings, which aid in minimizing carbon emissions into the environment, is also driving the flat glass market growth. Flat glass is widely used in photovoltaic modules, e-glass structures and solar panels due to the rising need for clean energy across the globe. It is gradually replacing the traditionally materials like bricks, stone and wood. Insulated flat glass is transparent and recyclable, which reduces pollution and enhances the comfort for the inhabitants of the building. The flourishing automotive industry is another factor contributing to the market growth. The automobile manufacturers are increasingly employing tempered glass due to its shatterproof properties that can prevent severe injuries and possible life threats in case of accidents. Other factors such as the implementation of nanotechnology to produce lightweight glazing glass and solar control panels coupled with the increasing urbanization and rising disposable incomes are further creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global flat glass market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on technology, product type, raw material, end-use, type and end use industry.

Breakup by Technology:

- Float Glass
- Sheet Glass
- Rolled Glass

Breakup by Product Type:

- Basic Float Glass
- Toughened Glass
- Coated Glass
- Laminated Glass
- Insulated
- Extra Clear Glass
- Others

Breakup by Raw Material:

- Sand
- Soda Ash
- Recycled Glass
- Dolomite
- Limestone
- Others

Breakup by End-Use:

- Safety and Security
- Solar Control
- Others

Breakup by Type:

Fabricated
Non-Fabricated

Breakup by End Use Industry:

Construction
Automotive
Solar Energy
Electronics
Others

Breakup by Region:

Asia Pacific
Europe
North America
Middle East and Africa
Latin America

Competitive Landscape:

The global flat glass market is highly fragmented with the presence of several small and large players competing in terms of price and quality. Some of the leading players in the market are:

AGC Inc.
Cardinal Glass Industries Inc.
Compagnie de Saint-Gobain S.A.
CSG Holding Co. Ltd.
Fuyao Glass America Inc. (Fuyao Glass Industry Group Co. Ltd.)
Guardian Industries LLC (Koch Industries Inc.)
Nippon Sheet Glass Co. Ltd.
Taiwan Glass Ind. Corp.
Turkiye Sise ve Cam Fabrikalari AS
Vitro S.A.B. de C.V.

Key Questions Answered in This Report

1. What was the size of the global flat glass market in 2022?

2. What is the expected growth rate of the global flat glass market during 2023-2028?
3. What are the key factors driving the global flat glass market?
4. What has been the impact of COVID-19 on the global flat glass market?
5. What is the breakup of the global flat glass market based on the technology?
6. What is the breakup of the global flat glass market based on the product type?
7. What is the breakup of the global flat glass market based on type?
8. What is the breakup of the global flat glass market based on the end use industry?
9. What are the key regions in the global flat glass market?
10. Who are the key players/companies in the global flat glass market?

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