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US Collection

Flat Glass: United States

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About This Report

Scope

This report forecasts to 2022 and 2026 US fabricated flat glass demand in nominal US dollars at the manufacturer level. Total US raw flat glass demand and production are also forecast to 2022 and 2026 in square meters. Finally, total US raw flat glass production is forecast to 2022 and 2026 in metric tons. Total fabricated flat glass demand is segmented by market in terms of:

- commercial buildings
- residential buildings
- motor vehicle original equipment manufacturer (OEM)
- motor vehicle aftermarket
- other markets such as solar energy, electronic display screens, and aerospace equipment glass

To illustrate historical trends, total demand, production, and the various demand segments are provided in annual series from 2011 to 2021.

Production data reflect primarily float glass, but also include sheet glass, rolled glass, plate glass, and specialty types of flat glass such as patterned glass.

Demand by market for fabricated flat glass is presented in US dollars. Fabricated flat glass includes both basic glass as well as processed and value-added products such as laminated, tempered, and insulating glass. Thus, the dollar values presented per square meter of flat glass include the inherent value added by fabrication.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Flat Glass: United States (FF60062) represents the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental organizations
- trade associations and their publications
- the business and trade press

- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 6 | NAICS & SIC Codes Related to Fabricated Flat Glass

NAICS/SCIAN 2017 North American Industry Classification System		SIC Standard Industrial Classification	
327211	Flat glass manufacturing	3211	Flat glass
327215	Glass product manufacturing made of purchased glass	3231	Products of purchased glass

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market’s current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth

rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Prefabricated Housing: United States

Recovered Glass: United States

Renewable Energy: United States

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Building Design & Construction

Glass International

Glass Magazine

USGlass

Agencies & Associations

International Code Council

National Glass Association

Solar Energy Industries Association

United States Census Bureau

United States Green Building Council

United States International Trade Commission

Window & Door Manufacturers Association