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Global Collection



Global Windows & Doors

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About This Report

Scope

This report forecasts to 2023 global demand for windows and doors by product, market, and major world region in nominal US dollars at the manufacturer level. Product segments include:

- metal windows
- wood windows
- vinyl windows
- fiberglass windows
- metal doors
- wood doors
- vinyl doors
- fiberglass doors

Reported markets encompass:

- residential buildings
- nonresidential buildings

Major world regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, product, market, and regional demand (including product and market segments) are provided for 2008, 2013, and 2018. Finally, global production is segmented by major world region and provided for 2008, 2013, 2018, and 2023.

Excluded is the value of features and services added between the manufacturer and end user, including door hanging and finishing operations not offered by the door slab manufacturer. For the purposes of this report, the value of installed glazing is included in the demand numbers for all window products. Windows with multiple openings (e.g., bay and bow types) that are sold as one unit are considered to be one window. For doors, the value of installed glazing, sidelites, and/or transoms is included if these features are sold by the manufacturer as part of the framed system.

For any given historical year, US dollar amounts are obtained from values expressed in applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2018.

About This Report

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

Global Windows & Doors (FW60041) is based on *Global Windows & Doors*, a comprehensive industry study published by The Freedonia Group. Reported findings represent 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 and non-governmental 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 10 | NAICS & SIC Codes Related to Windows & Doors

| NAICS/SCIAN 2017 | | SIC | |
|---|--|------------------------------------|---|
| North American Industry Classification System | | Standard Industrial Classification | |
| 321911 | Wood window & door manufacturing | 2431 | Millwork |
| 326199 | All other plastics product manufacturing | 3089 | Plastic products, NEC |
| 332321 | Metal window & door manufacturing | 3442 | Metal doors, sash, frames, moulding, & trim |

Source: US Census Bureau

Table 11 | HS Codes Related to Windows & Doors

| HS Code | Definition |
|---------|---|
| 3925.20 | Plastic doors, windows, and their frames and thresholds for doors |
| 4418.10 | Wood windows, French windows, and their frames |
| 4418.20 | Wood doors, French doors, and their frames |
| 7308.30 | Steel doors, windows and their frames and thresholds for doors |
| 7610.10 | Aluminum doors, windows and their frames and thresholds for doors |

Source: United Nations Statistics Division

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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Resources

The Freedonia Group

Global Windows & Doors

Freedonia Industry Studies

Electronic Security Products US Market Forecasts

Fiber-Reinforced Plastic Composites Market in the US

Global Acoustic Insulation

Global Flat Glass Market

Global Foamed Plastic Insulation

Global Housing

Insulation

Mechanical Security Products

Moulding & Trim in the US

Prefabricated Housing Market in the US

Specialty Films

Wood-Plastic Composite & Plastic Lumber

World Prefabricated Housing

Freedonia Focus Reports

Commercial Building Construction: United States

Construction: United States

Global Construction Machinery

Global Macroeconomy

Freedonia Custom Research

Trade Publications

AsiaGreenBuildings.com

Construction Europe

Door and Window Market Magazine

Glass Magazine

Gulf Construction

The Journal of Light Construction

Metal Architecture

Metal Construction News

Plastics News

Professional Remodeler

Window & Door

Agencies & Associations

American Architectural Manufacturers Association
Asia-Pacific Economic Cooperation
Australian Window Association
Brazilian Institute of Geography and Statistics
China Construction Metal Structure Association
China Nonferrous Metals Industry Association
European Commission
Federal Statistical Office of Germany
Green Building Initiative
Korean Statistical Information Service
Ministry of Economy, Trade and Industry (Japan)
National Association of Home Builders (US)
National Fenestration Rating Council (US)
National Institute of Statistics and Economic Studies (France)
Statistics Canada
Turkish Statistical Institute
United States Census Bureau
United States Department of Energy
United States Environmental Protection Agency
United States Green Building Council
United States International Trade Commission
Window and Door Manufacturers Association