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Global Collection

Global Windows & Doors

November 2021



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Table of Contents

1. Highlights	3
2. Global Overview & Forecasts	5
Impact of COVID-19 on the Global Window & Door Industry	5
Demand by Product	6
Metal Windows	8
Wood Windows	8
Vinyl Windows	9
Fiberglass Windows	10
Metal Doors	10
Wood Doors	11
Vinyl Doors	12
Fiberglass Doors	12
Demand by Market	14
Residential Buildings	15
Nonresidential Buildings	15
3. Regional Segmentation & Forecasts	17
Regional Production Overview	17
Regional Demand Overview	19
North America	21
Western Europe	23
Asia/Pacific	25
Other Regions	27
Central & South America	28
Eastern Europe	28
Africa/Mideast	29
4. Industry Structure	30
Industry Characteristics	30
Market Share	31
JELD-WEN	32
YKK	33
ASSA ABLOY	33
5. About This Report	35
Scope	35
Sources	36
Industry Codes	36
Freedonia Methodology	37
Resources	39

List of Tables & Figures

Figure 1 Global Window & Door Market Outlook, 2020 – 2025	4
Figure 2 Global Window & Door Demand by Product, 2010 – 2025 (US\$ bil)	6
Table 1 Global Window & Door Demand by Product, 2010 – 2025 (US\$ mil)	6
Figure 3 Global Window & Door Demand by Product, 2010 – 2025 (%)	7
Figure 4 Global Window & Door Demand by Market, 2010 – 2025 (US\$ bil)	14
Table 2 Global Window & Door Demand by Market, 2010 – 2025 (US\$ mil)	14
Figure 5 Global Window & Door Demand by Market, 2010 – 2025 (%)	16
Figure 6 Global Window & Door Production by Region, 2010 – 2025 (US\$ bil)	17
Table 3 Global Window & Door Production by Region, 2010 – 2025 (US\$ mil)	17
Figure 7 Global Window & Door Production by Region, 2010 – 2025 (%)	18
Figure 8 Global Window & Door Demand by Region, 2010 – 2025 (US\$ bil)	19
Table 4 Global Window & Door Demand by Region, 2010 – 2025 (US\$ mil)	19
Figure 9 Global Window & Door Demand by Region, 2010 – 2025 (%)	20
Figure 10 North America: Window & Door Demand by Product, 2010 – 2025 (US\$ bil)	21
Figure 11 North America: Window & Door Demand by Market, 2010 – 2025 (US\$ bil)	21
Table 5 North America: Window & Door Demand by Product & Market, 2010 – 2025 (US\$ mil)	22
Figure 12 Western Europe: Window & Door Demand by Product, 2010 – 2025 (US\$ bil)	23
Figure 13 Western Europe: Window & Door Demand by Market, 2010 – 2025 (US\$ bil)	23
Table 6 Western Europe: Window & Door Demand by Product & Market, 2010 – 2025 (US\$ mil)	24
Figure 14 Asia/Pacific: Window & Door Demand by Product, 2010 – 2025 (US\$ bil)	25
Figure 15 Asia/Pacific: Window & Door Demand by Market, 2010 – 2025 (US\$ bil)	25
Table 7 Asia/Pacific: Window & Door Demand by Product & Market, 2010 – 2025 (US\$ mil)	26
Figure 16 Other Regions: Window & Door Demand by Region, 2010 – 2025 (US\$ bil)	27
Figure 17 Other Regions: Window & Door Demand by Product, 2010 – 2025 (US\$ bil)	27
Table 8 Other Regions: Window & Door Demand by Region & Product, 2010 – 2025 (US\$ mil)	29
Figure 18 Global Window & Door Market Share by Company, 2020 (%)	31
Table 9 Leading Suppliers to the Global Window & Door Market	32
Table 10 NAICS & SIC Codes Related to Windows & Doors	36
Table 11 HS Codes Related to Windows & Doors	37
Table 12 NACE Codes Related to Windows & Doors	37

About This Report

Scope

This report forecasts to 2025 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 2010, 2015, and 2020. Finally, global production is segmented by major world region and provided for 2010, 2015, 2020, and 2025.

Excluded from coverage in this report are the following:

- 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
- parts and components sold to, or imported by, manufacturers for use in the assembly of new windows and doors
- windows and doors for automobiles or other transportation equipment
- windowed cabinets
- fencing gates
- shower doors and bathroom stall doors
- elevator doors

- pet doors
- moulding and trim

Separately sold replacement hardware not typically sold as part of the window or door unit (e.g., door knobs, locks, door stops, and garage door openers) are outside the scope of this report. However, the value of these products is included when they are sold as part of an integrated new window or door unit.

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 2020.

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 [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 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, molding, & trim manufacturing

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

Table 12 | NACE Codes Related to Windows & Doors

NACE Code	Definition
22.29	Manufacture of other plastic products
25.12	Manufacture of doors and windows of metal

Source: European Commission

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

Bricks, Blocks, & Pavers

Building Envelope in North America

Ceilings

Global Ceilings

Global Drywall & Building Plaster

Global Flat Glass

Global Housing

Global Insulation

Global Prefabricated Housing

Global Siding (Cladding)

Gutters & Downspouts

Insulation

Lumber

Moulding & Trim

Prefabricated Housing

Siding

Window & Door Components

Freedonia Focus Reports

Commercial Building Construction: United States

Construction: United States

Doors: United States

Window & Door Components: United States

Window Coverings: United States

Windows: United States

Windows & Doors: Canada

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