



Freedonia Focus Reports
US Collection

Windows & Doors: United States

July 2019



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Table of Contents

1. Highlights	3
2. Market Environment	5
Historical Trends	5
Key Economic Indicators	7
Trade	8
Pricing Outlook	10
3. Segmentation & Forecasts	12
Materials	12
Metal	13
Wood	15
Vinyl	16
Fiberglass	18
Markets	20
Residential	21
Commercial	23
4. Industry Structure	26
Industry Characteristics	26
Market Share	28
Andersen	29
JELD-WEN	29
Masonite International	30
5. About This Report	31
Scope	31
Sources	31
Industry Codes	32
Freedonia Methodology	32
Resources	34

List of Tables & Figures

Figure 1 Key Trends in the US Window & Door Market, 2018 – 2023	4
Figure 2 US Window & Door Demand Trends, 2008 – 2018	6
Table 1 Key Indicators for US Window & Door Demand, 2008 – 2023 (US\$ bil)	7
Figure 3 US Window & Door Trade, 2008 – 2018 (US\$ mil)	9
Figure 4 US Window & Door Demand by Material, 2008 – 2023 (US\$ mil)	12
Table 2 US Window & Door Demand by Material, 2008 – 2023 (US\$ mil)	12
Figure 5 US Window & Door Demand by Material, 2008 – 2023 (%)	18
Figure 6 US Window & Door Demand by Market, 2008 – 2023 (US\$ mil)	20
Table 3 US Window & Door Demand by Market, 2008 – 2023 (US\$ mil)	20
Figure 7 US Window & Door Demand by Market, 2008 – 2023 (%)	23
Figure 8 US Window & Door Market Share by Company, 2018 (%)	28
Table 4 Leading Suppliers to the US Window & Door Market by Product	28
Table 5 NAICS & SIC Codes Related to Windows & Doors	32

About This Report

Scope

This report forecasts to 2023 US window and door demand in nominal US dollars at the manufacturer level. Total demand is segmented by material in terms of:

- metal
- wood
- vinyl
- fiberglass

Total demand is also segmented by market as follows:

- residential
- commercial

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; the various segments are reported at five-year intervals for 2008, 2013, and 2018.

To avoid double counting, parts and components sold to, or imported by, door manufacturers for assembly into new windows and doors are excluded from the scope of this report. The value of these products is included here when they are sold as part of an integrated new window or door unit. Also excluded are replacement window and door components and accessories, including separately sold frames, sashes, screens, hinges, locks, latches, and weatherstrip; and separately sold hardware not typically sold as part of the window or door unit (e.g., door knobs, locks, door stops, garage door openers). In addition, this report excludes windows and doors for automobiles and other transportation equipment, and cabinets; fencing gates; shower doors and bathroom stall doors; elevator doors; pet doors; and moulding and trim.

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

Windows & Doors: United States (FF60041) is based on *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

About This Report

- non-government 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 5 | NAICS & SIC Codes Related to Windows & Doors

NAICS 2017 North American Industry Classification System		SIC Standard Industrial Classification	
321911	Wood window & door manufacturing	2431	Millwork (wood windows and doors)
332321	Metal window & door manufacturing	3089	Plastic products, NEC
326199	All other plastics product manufacturing	3442	Metal doors, sash, frames, molding, & trim

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

About This Report

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

Windows & Doors

Freedonia Industry Studies

Ceilings

Commercial Insulation Market in the US

Commercial Windows & Doors Market in the US

Fiber Cement in the US

Fiber-Reinforced Plastic Composites Market in the US

Garage & Overhead Doors

Global Acoustic Insulation

Global Flat Glass

Global Housing

Global Insulation

Global Siding (Cladding)

Global Windows & Doors

Insulation Market in the US

Kitchen & Bathroom Remodeling

Landscaping Products

Mechanical Security Products

Moulding & Trim in the US

Prefabricated Housing Market in the US

Residential Insulation Market in the US

Residential Windows & Doors Market in the US

Siding Market in the US

Smart & Connected Thermostats in the US

Smart Home Security

Smart Lighting in the US

Wood-Plastic-Composite & Plastic Lumber

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Doors: United States

Fabricated Metal Products: United States

Housing: United States

Insulation: United States

Molding & Trim: United States

Nonresidential Building Construction: United States

Prefabricated Housing: United States

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Thermoplastic Resins: United States

Window Coverings: United States

Windows: United States

Wood Millwork: United States

Freedonia Custom Research

Trade Publications

Builder

Door and Window Market Magazine

Glass Magazine

The Journal of Light Construction

Metal Architecture

Metal Construction News

Plastics News

Professional Remodeler

Window & Door

Agencies & Associations

American Architectural Manufacturers Association

Florida Green Building Coalition

Green Building Initiative

Home Innovation Research Labs

National Association of Home Builders

National Fenestration Rating Council

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 & Door Manufacturers Association