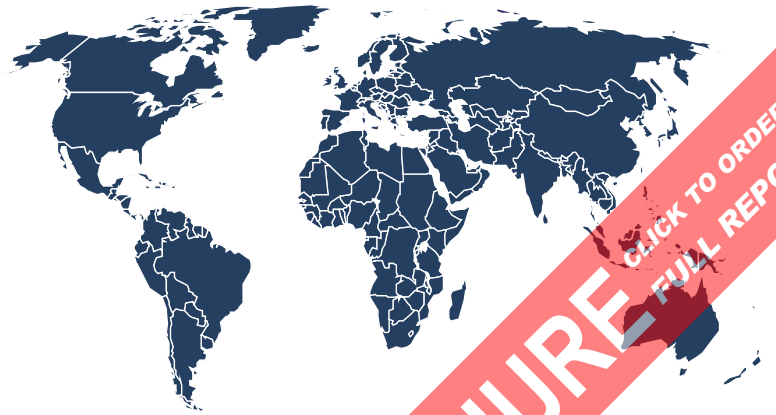


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# Global Windows & Doors

December 2017



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# About This Report

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## Scope & Method

This report forecasts global demand in 2021 for windows and doors by product, market, and major world region in nominal US dollars at the manufacturer level. Product segments include:

- wood windows
- metal windows
- plastic windows
- wood doors
- metal doors
- plastic doors

For the purposes of this study, the value of installed glazing is included in the demand numbers for all window products, with the exception of curtain wall, which includes only the framing materials. 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.

To avoid double counting, parts and components sold to, or imported by, manufacturers for assembly into new windows and doors are excluded from the scope of this study.

Also excluded are windows and doors for automobiles or other transportation equipment, cabinets, fencing gates, shower doors and bathroom stall doors, elevator doors, and pet doors. Molding and trim are excluded as well.

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 study. However, the value of these products is included when they are sold as part of an integrated new window or door unit.

Reported markets encompass:

- new residential construction
- residential improvement and repair
- new nonresidential construction
- nonresidential improvement and repair

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

## About This Report

To illustrate historical trends, world, product, market, and regional demand (including product and market segments) are provided for 2006, 2011, and 2016. Finally, global production is segmented by major world region and provided for 2006, 2011, 2016, and 2021.

This report quantifies trends in terms of compound annual growth rates (CAGRs), which, by definition, employ in their calculation only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the trend beginning in the base year and ending in the forecast year. Forecasts are developed via the identification and analysis of pertinent statistical relationships and other historical trends and events, as well as their expected impact over the forecast period. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Other various topics, including profiles of pertinent leading suppliers, 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 including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international 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 | Industry Codes Related to Window & Door

NAICS/SCIAN 2007		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

Source: US Census Bureau

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## Resources

### The Freedonia Group

*Global Windows & Doors*, December 2017

### Freedonia Industry Studies

*Global Housing Outlook*, October 2017

*Electronic Security Products*, September 2017

*Windows & Doors Market Forecasts*, September 2017

*Doors Market in the US*, August 2017

*Windows Market in the US*, June 2017

*Fiber-Reinforced Plastic Composites Market in the US*, January 2017

*Prefabricated Housing Market in the US*, January 2017

*Molding & Trim in the US*, November 2016

*World Flat Glass*, August 2016

*World Insulation*, July 2016

*Wood-Plastic Composite & Plastic Lumber*, May 2016

### Freedonia Focus Reports

*Construction: United States*

*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*

*Thermoplastic Resins: United States*

*Window Coverings: United States*

*Windows: United States*

*Windows & Doors: United States*

*Wood Millwork: United States*

### Freedonia Custom Research

### Trade Publications

*AsiaGreenBuildings.com*

*Construction Europe*

*Door and Window Market Magazine*

*Glass Magazine*

*Gulf Construction*

*The Journal of Light Construction*

## About This Report

*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