



Freedonia Focus Reports
US Collection

Wood Panels: United States

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About This Report

Scope

This report forecasts to 2024 US wood panel demand in square feet as measured on a 3/8-inch basis. Total demand is segmented by product in terms of:

- oriented strand board (OSB)
- softwood plywood
- particleboard
- medium density fiberboard (MDF)
- other nonstructural boards such as hardwood plywood, hardboard, insulation board, and low density fiberboard (softboard)

Total demand is also segmented by application as follows:

- roofing
- flooring
- other construction applications, such as wall sheathing, cabinets, siding, doors and windows, and interior paneling
- furniture and fixtures
- other industrial applications such as engineered wood products, material handling products, and transportation equipment

To illustrate historical trends, total demand is provided in annual series from 2009 to 2019; the various segments are reported at five-year intervals for 2009, 2014, and 2019.

Data in square feet are actually volumetric measurements since the various types of wood panels are each associated with a standard thickness. These standard thicknesses (as most commonly accepted within the industry) are:

- 1/8 inch – hardboard
- 3/8 inch for OSB and softwood plywood
- 1/2 inch for insulation board and low density fiberboard
- 3/4 inch for particleboard, hardwood plywood, and MDF

In order to improve the comparability of wood panel demand in volume terms across different board types, data are converted to a 3/8-inch basis. Unless another thickness is specified, square feet measurements are on a 3/8-inch basis.

Wood panels used as a component of other wood panel products, such as particleboard used to make plywood, are counted separately and considered to be engineered wood for

About This Report

the purposes of this report. Although this results in some double counting of wood panel demand, this treatment is in line with measures used within the industry.

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

Wood Panels: United States (FF60011) is based on *Wood Panels*, 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 7 | NAICS & SIC Codes Related to Wood Panels

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
321219	Reconstituted wood panels mfg	2493	Reconstituted wood products
321999	All other miscellaneous wood product mfg	2499	Wood products, not elsewhere classified

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.

About This Report

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

Wood Panels

Freedonia Industry Studies

Cabinets

Global Drywall & Building Plaster

Global Flooring

Global Housing

Global Material Handling Equipment

Global Roofing

Global Siding (Cladding)

Global Windows & Doors

Liquid-Applied Roof Coatings

Low-Slope Roofing

Moulding & Trim

Prefabricated Housing

Roofing

Siding

Window & Door Components

Windows & Doors

Wood-Plastic Composite & Plastic Lumber

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Commercial Building Construction: United States

Construction: United States

Furniture: United States

Gypsum: United States

Housing: United States

Real Estate: United States

Wood Millwork: United States

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Forest Products Journal

Home Channel News

Journal of Light Construction

Agencies & Associations

APA – Engineered Wood Association

Composite Panel Association

International Wood Products Association

Forest Products Laboratory

Foreign Agricultural Service

United States Census Bureau

United States Department of Agriculture

United States International Trade Commission