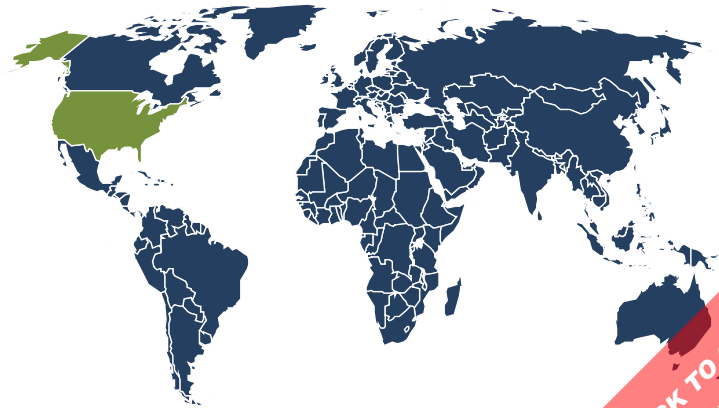


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Wood-Plastic Composite & Plastic Lumber: United States

May 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Environmental Factors
Regulations and Standards

Segmentation and Forecasts

Products | Markets

Industry Structure

Industry Composition and Characteristics | Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US wood-plastic composite (WPC) and plastic lumber demand in US dollars at the manufacturers' level to 2020. Total demand is segmented by product in terms of:

- decking
- molding and trim
- fencing
- landscaping and outdoor
- windows and doors
- other products such as railroad ties, seawalls, and pilings.

This report does not address applications for plastic lumber in which plastics (primarily vinyl) are not in competition with wood or in which they have already attained substantial market share. Applications falling under these categories include plastic siding, extruded plastic windows and doors, plastic playground equipment not competing with traditional lumber, vinyl patio furniture, and vinyl flooring. Cellulose-resin products, such as plywood, strawboard, and oriented strand board, are also excluded from demand considerations for WPC lumber.

Total demand is also segmented by market as follows:

- residential buildings
- nonresidential buildings
- nonbuilding construction
- agricultural.

To illustrate historical trends, total demand is provided in an annual series from 2005 to 2015; the various segments are reported at five-year intervals for 2010 and 2015.

This report quantifies trends in various measures of growth. 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. 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.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. 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

Wood-Plastic Composite & Plastic Lumber: United States (FF60033) is based on [Wood-Plastic Composite & Plastic Lumber](#), a comprehensive industry study published by The Freedonia Group in May 2016. 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 industry 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

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
321219	Reconstituted Wood Product Mfg	2493	Reconstituted Wood Products
325991	Custom Compounding of Purchased Resins	3087	Custom Compounding of Purchased Plastics Resins
326199	All Other Plastics Product Mfg	3089	Plastics Products, NEC

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RESOURCES

The Freedonia Group

www.freedoniagroup.com

<i>3414 Wood-Plastic Composite & Plastic Lumber</i> , May 2016	see study contents
Related Industry Studies	
<i>3411 Wood & Competitive Decking</i> , May 2016	see study contents
<i>3399 World Roofing</i> , May 2016	see study contents
<i>3374 Siding</i> , January 2016	see study contents
<i>3327 World Siding (Cladding)</i> , September 2015	see study contents
<i>3300 Landscaping Products</i> , August 2015	see study contents
<i>3312 World Housing</i> , July 2015	see study contents
Related Focus Reports	
<i>Construction: United States</i>	see report contents
<i>Housing: United States</i>	see report contents
<i>Siding: United States</i>	see report contents
<i>Windows & Doors: United States</i>	see report contents
<i>Wood & Competitive Decking: United States</i>	see report contents
<i>World Housing</i>	see report contents
Freedonia Custom Research	see capabilities

Trade Publications

<i>Builder</i>	www.builderonline.com
<i>Building Products Digest</i>	www.building-products.com
<i>Hardware & Building Supply Dealer</i>	www.hbsdealer.com
<i>The Journal of Light Construction</i>	www.jlconline.com
<i>Plastics News</i>	www.plasticsnews.com
<i>Professional Remodeler</i>	www.proremodeler.com

Agencies & Associations

ASTM International	www.astm.org
International Code Council	www.iccsafe.org
Evaluation Service	www.icc-es.org
North American Deck and Railing Association	http://nadra.org
Plastic Lumber Trade Association	www.plasticlumber.org
United States Census Bureau	www.census.gov
United States Department of Housing and Urban Development	www.hud.gov
United States Environmental Protection Agency	www.epa.gov
United States Green Building Council	www.usgbc.org
United States International Trade Commission	www.usitc.gov

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