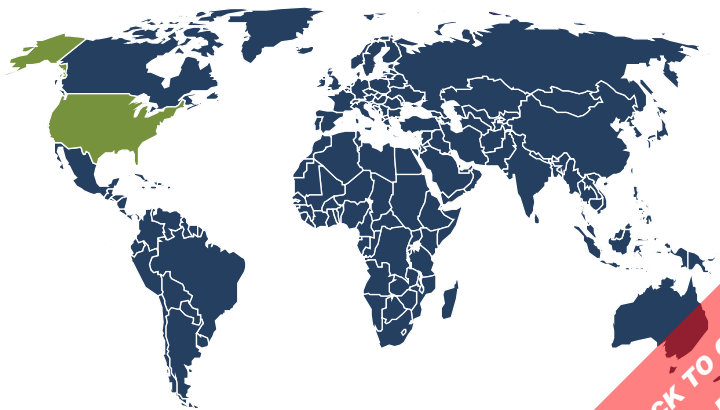


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Wood-Plastic Composite Decking: United States

May 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Regulatory and Environmental Factors
Life Cycle Costs | Pricing | Installation Method Overview | Product Development

Demand Segmentation and Forecasts Types | Markets

Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US wood-plastic composite (WPC) decking demand in lineal feet and US dollars at the manufacturers' level to 2020. Total demand in both area and value terms is segmented by type in terms of:

- wood-polyethylene
- other types such as wood-polyvinyl chloride and polypropylene-based composite.

Decks are defined as unroofed, floored areas that are attached to the exterior of a structure, typically at the rear of a building. This report encompasses deck boards, which are used to make the floor of the deck, as well as railing systems (consisting of a top rail, spindles, and bottom rail) and other built-in accessories, such as stairs, benches, and planter boxes. This report does not include the structural components of decking systems (eg, posts and joists), as well as other outdoor structures, such as balconies, patios, or porches.

Total demand in area terms is also segmented by market as follows:

- residential buildings
- nonresidential buildings
- nonbuilding construction.

New construction decking is defined as a deck that is installed on a structure at the time of its erection, while improvement decking is defined as any deck installed subsequent to a building's completion.

To illustrate historical trends, total demand in both area and value terms is provided in 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 Decking: United States (FF60078) is based on [Wood & Competitive Decking](#), 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
321999	All Other Miscellaneous Wood Product Mfg	2499	Wood Products, NEC
325991	Custom Compounding of Purchased Resins	3087	Custom Compounding of Purchased Plastics Resins

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RESOURCES

The Freedonia Group

<i>3411 Wood & Competitive Decking</i> , May 2016	www.freedoniagroup.com
Related Industry Studies	
<i>3414 Wood-Plastic Composite & Plastic Lumber</i> , May 2016	see study contents
<i>3374 Siding</i> , January 2016	see study contents
<i>3300 Landscaping Products</i> , August 2015	see study contents
<i>3293 Roofing</i> , June 2015	see study contents
Related Focus Reports	
<i>Housing: United States</i>	see report contents
<i>Roofing: 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>Wood Decking: United States</i>	see report contents
<i>Wood-Plastic Composite & Plastic Lumber: United States</i>	see report contents
<i>World Roofing</i>	see report contents
<i>World Siding</i>	see report contents
Freedonia Custom Research	see capabilities

Trade Publications

<i>Building Design & Construction</i>	www.bdcnetwork.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 Deck Builder</i>	www.deckmagazine.com

Agencies & Associations

American Fence Association	http://americanfenceassociation.com
California Redwood Association	www.calredwood.org
International Code Council	www.iccsafe.org
National Association of Home Builders	www.nahb.org
North American Deck and Railing Association	http://nadra.org
Southern Forest Products Association	http://sfpa.org
United States Census Bureau	www.census.gov
United States Environmental Protection Agency	www.epa.gov
United States International Trade Commission	www.usitc.gov
Western Red Cedar Lumber Association	www.realcedar.com

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