

# U.S. Composite Railing And Decking Market Size, Share & Trends Analysis Report By Product (Capped Composite Decking & Railing, Uncapped Composite Decking & Railing), By Material (Polyethylene, Polypropelene), And Segment Forecasts, 2026 - 2033

<https://marketpublishers.com/r/U62986A8C441EN.html>

Date: April 2026

Pages: 100

Price: US\$ 5,950.00 (Single User License)

ID: U62986A8C441EN

## Abstracts

The U.S. composite railing and decking market size was estimated at USD 1.1 billion in 2025 and is expected to reach USD 2.9 billion by 2033, growing at a CAGR of 13.4% from 2026 to 2033. Rising consumer preference for low-maintenance and aesthetically appealing outdoor living solutions is significantly fueling the demand for composite railing and decking products across the United States.

Unlike traditional wood materials, composites offer superior durability, resistance to moisture, fading, and insect damage, which appeals strongly to homeowners seeking long-lasting and visually consistent structures. The increasing inclination toward home improvement and backyard enhancement particularly post-pandemic has led to a surge in demand for premium, easy-to-maintain decking options that offer the natural look of wood without its upkeep burden.

Growth in residential construction activities, especially in suburban and exurban areas, has emerged as a key factor driving market expansion. The development of single-family homes with larger outdoor spaces has created a favorable environment for the adoption of composite decks and railings, which are often installed to enhance both functional space and property aesthetics. Builders and developers are increasingly specifying composite materials in new housing projects to meet the expectations of modern homeowners regarding quality, longevity, and visual appeal, while also complying with evolving building codes that prioritize sustainability and fire resistance.

An increasing focus on sustainability and the use of recycled materials is also propelling the composite decking and railing industry forward. Most composite products are manufactured using recycled plastics and reclaimed wood fibers, aligning with growing consumer awareness and regulatory support for environmentally responsible construction. Government incentives and green building certifications, such as LEED (Leadership in Energy and Environmental Design), are further encouraging the use of composite materials in both new constructions and renovation projects, providing a strong push for market growth across eco-conscious segments.

## U.S. Composite Railing And Decking Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. composite railing and decking market report based on product and material:

### Product Outlook (Volume, Tons; Revenue, USD Million, 2021 - 2033)

Capped Composite Decking & Railing

Uncapped Composite Decking & Railing

### Material Outlook (Volume, Tons; Revenue, USD Million, 2021 - 2033)

Polyethylene Composite Decking & Composite Railing

Polypropelene Composite Decking & Composite Railing

Poly vinyl Chloride Composite Decking & Composite Railing

PVC & Recycled wood Composite Decking & Composite Railing

Others

**This report can be delivered to the clients within 8 Business Days**

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