

# **North America Sandwich Panels Market By Type (PUR Sandwich Panels, Glass Wool, Rock Wool, Others), By Application (Residential Buildings, Commercial Buildings, Agricultural Buildings, Cold Storage), By Skin Material (Continuous Fibre Reinforced Thermoplastics (CFRT), Fiberglass Reinforced Panel (FRP), Aluminum, Steel, Others), By Country, Competition, Forecast and Opportunities, 2020-2030F**

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## **Abstracts**

The North America Sandwich Panels Market was valued at USD 1.07 Billion in 2024 and is projected to reach USD 1.82 Billion by 2030, growing at a CAGR of 9.26% during the forecast period. Sandwich panels are composite construction materials made up of two durable outer layers and an insulating core, typically composed of materials such as polystyrene, foam, or mineral wool. Known for their thermal insulation, lightweight nature, and ease of installation, these panels are widely used in building walls, roofs, and facades. The market is experiencing steady growth, largely driven by the rising emphasis on energy-efficient and sustainable construction practices across the region. As building codes become stricter and energy costs rise, demand for materials that enhance thermal performance continues to grow. Technological advancements have improved the strength, fire resistance, and design versatility of sandwich panels, making them an attractive option in commercial, residential, and industrial construction. Moreover, the adoption of prefabricated panels is gaining momentum due to their role in accelerating construction timelines and reducing labor costs, further boosting market growth.

## **Key Market Drivers**

## Growing Demand for Energy-Efficient and Sustainable Building Materials

The increasing priority placed on energy efficiency and sustainable building practices is a key driver for the North America Sandwich Panels Market. With buildings accounting for a significant portion of energy consumption, developers and architects are turning to materials like sandwich panels that offer superior thermal insulation. These panels help reduce energy use for heating and cooling, leading to lower operating costs and environmental impact. Their compatibility with green building standards, including LEED certification, adds to their appeal. Governments across North America have introduced incentives and regulations promoting energy-efficient construction, encouraging the use of materials that align with these goals. In both new construction and renovation projects, sandwich panels are proving essential for achieving environmental targets. As the construction of eco-friendly commercial, industrial, and residential structures increases, demand for sandwich panels is expected to follow suit. In fact, by 2023, over 60% of new commercial buildings in the U.S. incorporated energy-saving materials such as sandwich panels, signaling a clear shift toward sustainable construction solutions.

## Key Market Challenges

### High Initial Investment and Material Costs

A key constraint on market growth is the relatively high initial cost of sandwich panels compared to traditional building materials. Although sandwich panels offer long-term energy savings and faster installation, the upfront expense can be a barrier, especially for small and budget-sensitive projects. The cost of raw materials—such as metal skins, insulation cores, and bonding agents—is subject to market fluctuations and supply chain challenges, which can further elevate manufacturing costs. The use of specialized features, such as fire-rated coatings or high-performance thermal barriers, also adds to the pricing. As a result, smaller residential or low-cost commercial projects may opt for more affordable alternatives. While large-scale commercial and industrial developments often absorb these higher costs due to expected long-term benefits, broader market adoption may be hindered unless manufacturing innovations or financial incentives reduce the cost burden. Overcoming this challenge will require cost-competitive innovations and greater availability of financing options tailored to energy-efficient construction materials.

## Key Market Trends

## Growing Demand for Sustainable Construction Materials

Sustainability is becoming a central theme in North American construction, driving the increased adoption of sandwich panels. With heightened concerns over environmental impact and energy use, builders are seeking eco-friendly materials that support energy-efficient design. Sandwich panels meet these needs by offering excellent thermal insulation, recyclability, and long service life. Their use is aligned with environmental certifications like LEED, helping projects qualify for sustainability credentials. Additionally, many sandwich panels are manufactured with recyclable components and designed for minimal waste during installation. As energy-efficient construction continues to be encouraged by both regulatory mandates and consumer preferences, sandwich panels are gaining popularity across residential, commercial, and industrial projects. The trend is expected to intensify as public and private stakeholders pursue carbon reduction goals and prioritize low-impact building practices.

## Key Market Players

Kingspan Group plc

ArcelorMittal S.A.

Tata Steel Limited

Nucor Corporation

Owens Corning

PFB Corporation

Cornerstone Building Brands, Inc.

The Gill Corporation

## Report Scope

In this report, the North America Sandwich Panels Market has been segmented into the following categories, in addition to the industry trends which have

als%li%been detailed below:

North America Sandwich Panels Market, By Type:

PUR Sandwich Panels

Glass Wool

Rock Wool

Others

North America Sandwich Panels Market, By Application:

Residential Buildings

Commercial Buildings

Agricultural Buildings

Cold Storage

North America Sandwich Panels Market, By Skin Material:

Continuous Fibre Reinforced Thermoplastics (CFRT)

Fiberglass Reinforced Panel (FRP)

Aluminum

Steel

Others

North America Sandwich Panels Market, By Country:

United States

Canada

## Mexico

### Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the North America Sandwich Panels Market.

### Available Customizations

North America Sandwich Panels Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### Company Information

Detailed analysis and profiling of additional market players (up to five).

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