

FRP Panels and Sheets Market Set to Reach USD 30.86 Billion by 2034, Driven by Construction and Transportation Demand

The FRP Panels and Sheets market is growing steadily, driven by rising demand in construction and transportation, with focus on lightweight, durable

VANCOUVER, BC, CANADA, September 2, 2025 /EINPresswire.com/ -- The global [FRP \(Fiber Reinforced Plastic\) Panels and Sheets Market](#) is on a

steady growth path, projected to expand from USD 16.56 billion in 2024 to USD 30.86 billion by 2034, reflecting a CAGR of 6.40% over the forecast period.



Reports And Data

This growth is fueled by the rising use of lightweight, durable, and sustainable materials across industries, especially in construction, transportation, and industrial applications.

To avail Sample Copy of the report @ <https://www.reportsanddata.com/sample-enquiry-form/15014>

Market Overview

North America currently holds the largest market share, supported by demand in high-performance applications and strict safety standards in construction and transportation. Asia Pacific is the fastest-growing region, driven by rapid infrastructure development, urbanization, and cost advantages in manufacturing.

Key applications include construction, transportation, marine, aerospace, and industrial sectors, with construction leading at over 40% of market share in 2024.

Growth Drivers

Construction Boom

The construction industry is one of the strongest contributors to market growth. Rising investment in residential, commercial, and infrastructure projects is increasing demand for

materials that are lightweight, corrosion-resistant, and energy efficient. According to the U.S. Census Bureau, construction spending rose 9% in 2024, underlining the sector's expansion.

Transportation Sector

The use of FRP panels in automotive and aerospace is also rising. These panels help manufacturers meet efficiency targets by reducing vehicle weight, thereby improving fuel efficiency and lowering emissions. The International Energy Agency reports that the adoption of lightweight materials in the automotive industry is expected to grow by 12% annually.

Technological Advancements

Companies are investing in innovation to produce eco-friendly, fire-retardant, and high-performance FRP panels. For instance, Crane Composites recently launched a new sustainable product line, while Strongwell Corporation expanded its production capacity in 2023 with a focus on green manufacturing.

Government Support

Policies and reforms promoting sustainable building and transportation practices are also accelerating adoption. The EU Green Deal, aiming to cut carbon emissions by 55% by 2030, highlights the role of FRP panels in greener infrastructure.

Challenges

Despite growth, the industry faces key challenges:

Environmental concerns: FRP waste is not biodegradable and adds to construction-related landfill waste.

High production costs: Manufacturing processes are energy-intensive, and raw material prices such as resins and fiberglass remain volatile.

Regulatory hurdles: Compliance with strict waste and environmental regulations increases operational costs for manufacturers.

To address these concerns, companies are exploring solutions such as bio-based resins, recycling technologies, and sustainable production methods.

Browse The Full Frp Panels And Sheets Market Report Description, Along With The Tocs And List Of Facts And Figures @ <https://www.reportsanddata.com/report-detail/frp-panels-and-sheets-market>

Market Segmentation

By Product Type

Standard FRP Panels

Fire-Retardant FRP Panels – fastest-growing segment (CAGR 7.2%), supported by safety regulations in construction and transportation.

Anti-Bacterial FRP Panels

UV-Resistant FRP Panels

By Application

Construction (largest segment, projected to reach USD 12.5 billion by 2034, CAGR 6.8%)

Transportation

Industrial

Marine

Aerospace

By End User

Residential

Commercial (largest, growing at CAGR 6.5%)

Industrial

Market Volume and Pricing Trends

The market is expected to reach 1.2 million tons in 2024, increasing to 2.1 million tons by 2034 (CAGR 5.8%).

While volume growth is steady, the higher value growth rate (6.40%) indicates increased demand for advanced, high-quality FRP products.

Pricing is influenced by raw material costs, energy prices, and supply-demand dynamics. In 2024, fiberglass prices rose 8% due to supply chain disruptions, while resin prices increased by 10%.

Regional differences exist: prices are higher in North America due to strict standards and production costs, while Asia Pacific benefits from lower labor costs.

Some companies have adopted AI-driven dynamic pricing models, which have boosted average selling prices by around 3%. According to ICIS, FRP panel contract prices increased by 7% year-over-year in 2024.

Key Players and Recent Developments

Prominent companies shaping the market include Crane Composites, Glasteel, Strongwell Corporation, and Enduro Composites. Their strategies focus on:

Product innovation (sustainable, fire-retardant, and high-performance solutions)

Expansion of manufacturing capacity

Strategic partnerships to reach new markets

Recent developments include:

Crane Composites launching a new eco-friendly product line in 2023.

Strongwell Corporation expanding production in September 2023, with an emphasis on sustainable processes and recycling initiatives.

Frp Panels And Sheets Competitive Strategies & Notable Developments

Top 10 Companies

Crane Composites

Glasteel

Strongwell Corporation

Enduro Composites

Fiber-Tech Industries

LAMILUX Heinrich Strunz Group

Nudo Products, Inc.

Panolam Industries International, Inc.

Stabilit America, Inc.

Polser Fiberglass Reinforced Plastics

Strategy

Top players in the FRP Panels and Sheets Market are competing through product innovation, strategic partnerships, and geographic expansion. Crane Composites focuses on developing eco-friendly products and expanding its product portfolio. Glasteel is leveraging joint ventures to expand its presence in Asia, while Strongwell Corporation is investing in manufacturing capacity to meet growing demand. Enduro Composites is focusing on geographic expansion to capture new markets.

Frp Panels And Sheets Market Segmentation

By Product Type

Standard FRP Panels

Fire-Retardant FRP Panels

Anti-Bacterial FRP Panels

UV-Resistant FRP Panels

By Application

Construction

Transportation

Industrial

Marine

Aerospace

By End User

Residential

Commercial
Industrial

By Technology
Hand Lay-Up
Spray-Up
Pultrusion
Filament Winding

By Distribution Channel
Direct Sales
Distributors
Online Retail

Click Here To Buy Now @ <https://www.reportsanddata.com/checkout-form/15014>

Latest Published Reports by Reports and Data:

Sterile Dressing Market

<https://www.reportsanddata.com/report-detail/sterile-dressing-market>

Transparent Film Dressings Market

<https://www.reportsanddata.com/report-detail/transparent-film-dressings-market>

Nasal Decolonization Market

<https://www.reportsanddata.com/report-detail/nasal-decolonization-market>

Transparent Dressings Market

<https://www.reportsanddata.com/report-detail/transparent-dressings-market>

Snp Genotyping And Analysis Market

<https://www.reportsanddata.com/report-detail/snp-genotyping-and-analysis-market>

About Reports and Data

Reports and Data is a market research and consulting company that provides syndicated research reports, customized research reports, and consulting services. Our solutions purely focus on your purpose to locate, target, and analyze consumer behavior shifts across

demographics, across industries, and help clients to make smarter business decisions. We offer market intelligence studies ensuring relevant and fact-based research across multiple industries, including Healthcare, Touch Points, Chemicals, Products, and Energy. We consistently update our research offerings to ensure our clients are aware of the latest trends existent in the market. Reports and Data has a strong base of experienced analysts from varied areas of expertise. Our industry experience and ability to develop a concrete solution to any research problems provides our clients with the ability to secure an edge over their respective competitors.

Debanjan Biswas
Reports and Data
+91 80872 27888
purushottam@reportsanddata.com

This press release can be viewed online at: <https://www.einpresswire.com/article/845261728>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.