

Fiberglass Mat Market Outlook 2026-2034: Market Share, and Growth Analysis By End-User (Commercial, Residential), By Type (Chopped strand mats, Woven roving mats, Continuous filament mats, Glass veils)

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Abstracts

The Fiberglass Mat Market is valued at USD 8.25 billion in 2025 and is projected to grow at a CAGR of 5.8% to reach USD 13.7 billion by 2034.

Fiberglass Mat Market

Fiberglass mats are non-woven reinforcements produced from chopped strands (CSM), continuous filaments (CFM), stitched combo mats, and surface tissues/veils bound with emulsion or powder binders. They serve as versatile, formable layers that deliver isotropic properties, resin carry, and print-through control across open-mold, infusion/RTM, pultrusion, compression molding, and filament winding processes. Core end-uses include transportation body panels and structural parts, marine hulls and decks, wind blade skins and shear webs (often paired with fabrics), construction products (roofing shingles, waterproofing membranes, gypsum boards), pipes/tanks for water and chemicals, electrical insulation, and sanitaryware. Current trends emphasize infusion-compatible mats with rapid wet-out and low air entrapment; hybrid layups combining mats with multiaxial fabrics and cores; low-styrene/low-VOC resins and binder chemistries aligned to EHS requirements; and design for durability in UV, moisture, and chemical exposure. In construction, surface veils enhance corrosion resistance and aesthetics, while AR-glass and specialty veils support cementitious and architectural profiles. Supply dynamics hinge on glass fiber furnace uptime, energy costs, binder and sizing chemistry availability, and regional logistics. Competitive differentiation centers on consistent areal weight and thickness, pore structure tuned for

resin flow, binder compatibility across polyester/vinyl ester/epoxy systems, and kitting/just-in-time service. Sustainability narratives - cullet usage in fiber melting, energy efficiency, recycle incorporation, and take-back for production scrap - are gaining weight with OEMs. Medium-term growth follows wind, lightweighting in mobility, infrastructure waterproofing, and corrosion-resistant piping, tempered by resin price volatility, installation labor constraints, and qualification timelines for new mats in certified applications.

Fiberglass Mat Market Key Insights

Portfolio fit by process CSM favors hand lay-up and infusion for isotropic skins; CFM offers high tensile and better drape in large parts; stitched combo mats pair mat layers with \pm fabrics for thickness and stiffness in one ply.

Binder chemistry matters Emulsion binders enable fast wet-out with polyester/vinyl ester; powder binders offer higher temperature stability and lower VOC. Epoxy-friendly binders and silane sizings expand wind and industrial uses.

Infusion and RTM momentum Optimized pore structure, controlled loft, and de-airing improve resin flow and laminate quality. Mat selection now balances permeability, print-through control, and cycle time.

Surface quality & protection Tissues/veils deliver Class-A finishes, corrosion barriers, and dielectric insulation. In chloride or acidic environments, veil choice and resin rich layers drive long-term performance.

Hybrid stacks for performance Mats combined with multiaxials, cores, and peel plies reduce part count, improve tolerance to defects, and enhance interlaminar shear - critical for marine, wind, and transport structures.

Durability in harsh service Formulations target hydrolysis resistance, alkali tolerance (AR-glass in cement), and erosion/UV control. Consistent fiber sizing underpins adhesion and fatigue life.

Productivity and automation Pre-kits, cut-to-shape packs, and robotic placement reduce trim waste and labor. Stable areal weights and low lint support high-throughput infusion and press cycles.

Sustainability signals Cullet use in fiber, energy-efficient furnaces, and VOC-

lean binders support ESG goals. Recycling pathways focus on production scrap recovery and co-processing of laminate waste.

Standards and qualification Wind, marine, and pressure equipment require audited materials data and traceability. Suppliers win with reproducible QC, statistical process control, and application lab support.

Cost and supply resilience Energy-intensive fiber melting and resin volatility influence pricing. Multi-region production, safety stocks, and dual-qualified binders mitigate disruptions.

Fiberglass Mat Market Regional Analysis

North America

Demand is anchored in roofing and waterproofing membranes, transportation composites, marine, and water/chemical piping. Infusion-compatible mats and corrosion-barrier veils gain share in tanks and FRP infrastructure. OEMs value kitting, short lead times, and consistent areal weights to stabilize takt. Low-styrene initiatives push binder and resin upgrades. Regional melt capacity and distributor networks buffer logistics swings.

Europe

Wind, marine, and industrial equipment drive higher-spec mats with epoxy-friendly binders and tight permeability windows. Construction emphasizes surface veils for façades and waterproofing systems aligned to low-VOC rules. Circularity and LCA documentation influence sourcing. Automation and pre-cut kits reduce labor exposure in high-cost plants. Energy pricing keeps focus on furnace efficiency and supply assurance.

Asia-Pacific

Largest production base for glass fiber and mats with strong consumption in marine, automotive, appliances, and building materials. Wind blade programs pull for epoxy-compatible CFM and combo mats. Rapid infrastructure growth sustains roofing and waterproofing tissues. Competitive edge comes from cost, scale, and fast customization; technical support centers aid infusion and RTM adoption.

Middle East & Africa

Corrosion-resistant piping, desalination, and infrastructure waterproofing underpin steady demand. Hot, saline environments require robust barrier veils and chemical-resistant layups. Local fabrication benefits from mat suppliers offering training, pre-kits, and dependable delivery via regional hubs. Industrial diversification broadens applications beyond oil & gas.

South & Central America

Water and wastewater projects, mining, and construction membranes drive baseline volumes; marine and transport add specialty demand. Currency and freight volatility favor regional inventories and flexible pack sizes. Suppliers with reliable QC, epoxy-capable binders, and kitting support win complex projects. Growing focus on low-VOC systems and jobsite productivity guides mat selection.

Fiberglass Mat Market Segmentation

By End-User

Commercial

Residential

By Type

Chopped strand mats

Woven roving mats

Continuous filament mats

Glass veils

Key Market players

Owens Corning, Johns Manville, Saint-Gobain ADFORS, Jushi Group, Chongqing Polycomp International (CPIC), Taishan Fiberglass, 3B-the fibreglass company, AGY, Nippon Electric Glass (NEG), Nittobo (Nitto Boseki), Taiwan Glass, PFG Fiber Glass, Ahlstrom-Munksjö, Shandong Fiberglass Group, Jiangsu Changhai Composite Materials

Fiberglass Mat Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modelling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends. Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behaviour are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Fiberglass Mat Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption. Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Fiberglass Mat market data and outlook to 2034

United States

Canada

Mexico

Europe — Fiberglass Mat market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Fiberglass Mat market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Fiberglass Mat market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Fiberglass Mat market data and outlook to 2034

Brazil

Argentina

Chile

Peru

* We can include data and analysis of additional countries on demand.

Research Methodology

This study combines primary inputs from industry experts across the Fiberglass Mat value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Fiberglass Mat industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Fiberglass Mat Market Report

Global Fiberglass Mat market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Fiberglass Mat trade, costs, and supply chains

Fiberglass Mat market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Fiberglass Mat market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Fiberglass Mat market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Fiberglass Mat supply chain analysis

Fiberglass Mat trade analysis, Fiberglass Mat market price analysis, and Fiberglass Mat supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Fiberglass Mat market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

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