

Global GFRG (Glass Fiber Reinforced Gypsum) Market Size Study & Forecast, by Application, Form, End-Use Sector, Key Properties, Fiber Type and Regional Forecasts 2025–2035

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Abstracts

The Global GFRG (Glass Fiber Reinforced Gypsum) Market is valued at approximately USD 14.03 billion in 2024 and is projected to grow at a robust CAGR of 8.70% over the forecast period of 2025 to 2035. GFRG, a sustainable and high-performance building material, is rapidly transforming modern construction landscapes with its lightweight nature, superior strength, fire resistance, and ease of installation. Formulated by blending high-purity gypsum with alkali-resistant glass fibers, GFRG offers an ideal alternative to traditional construction elements such as concrete and drywall. As developers, architects, and builders seek to deliver eco-friendly, resilient, and cost-effective solutions, the demand for GFRG has surged in both commercial and residential segments. This dynamic has unlocked new dimensions in architectural innovation, especially in applications like ceilings, interior and exterior wall panels, flooring, and prefabricated components.

The acceleration of green building initiatives globally and the mounting pressure to reduce the carbon footprint of construction practices have played a pivotal role in increasing GFRG adoption. As GFRG is 100% recyclable, fire-retardant, and energy-efficient, its usage is aligned with evolving sustainability regulations and certifications such as LEED. Technological advancements in GFRG formulation—such as the integration of moisture-resistant and sound-absorbing properties—have further elevated its versatility and marketability. Additionally, its ability to support complex architectural designs while offering significant time and labor savings during installation has made it a preferred material in infrastructure megaprojects and high-rise developments. These factors are poised to open avenues across developing economies and spur massive

investments in GFRG production facilities.

From a regional standpoint, North America holds a leading position in the market, bolstered by a mature construction industry, a strong focus on fire safety regulations, and widespread use of lightweight paneling systems. Europe follows closely, with countries such as Germany, the UK, and France championing the use of GFRG in energy-efficient building refurbishments. Asia Pacific, on the other hand, is expected to emerge as the fastest-growing region over the forecast horizon, driven by rapid urbanization, population expansion, and infrastructural modernization in India, China, and Southeast Asia. Government-backed housing schemes, rising disposable incomes, and the demand for aesthetically appealing yet structurally sound materials are creating fertile ground for GFRG manufacturers in the region. Moreover, increasing adoption in public infrastructure—such as airports, schools, and hospitals—is adding a new dimension to regional market growth.

Major market players included in this report are:

Saint-Gobain

USG Corporation

Knauf Gips KG

Georgia-Pacific LLC

VANS Gypsum

Shanghai Chuncui Decoration Material Co., Ltd.

American Gypsum Company LLC

Continental Building Products

Yingchuang Building Technique (Winsun)

Global GFRG Building Systems

Rapidwall

Shenzhen Weiyi Decoration Materials Co., Ltd.

National Gypsum Company

LafargeHolcim Ltd.

Beijing New Building Material Group Co., Ltd.

Global GFRG (Glass Fiber Reinforced Gypsum) Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast Period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Application:

Interior Walls

Exterior Walls

Ceilings

Flooring

Other Applications

By Form:

Boards

Panels

Blocks

Tiles

Other Forms

By End-Use Sector:

Residential Buildings

Commercial Buildings

Industrial Buildings

Infrastructure Projects

Other End-Use Sectors

By Key Properties:

Fire Resistance

Moisture Resistance

Sound Absorption

Lightweight

Durability

Other Key Properties

By Fiber Type:

E-Glass Fiber

ECR Glass Fiber

S-Glass Fiber

Other Fiber Types

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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