

# Synthetic Gypsum Market: Size, Share, Competitive Landscape, and Trend Analysis, 2023–2032

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*Synthetic Gypsum Industry: Global Opportunity Analysis and Industry Forecast, 2023-2032*

WILMINGTON, DE, UNITED STATES, July 3, 2025 /EINPresswire.com/ -- [Synthetic gypsum](#), a byproduct of industrial processes like flue gas desulfurization (FGD) in fossil-fueled power plants, is a versatile material with properties akin to natural gypsum. Composed primarily of hydrated calcium sulfate, it serves as an eco-friendly and cost-effective alternative for applications in construction, agriculture, and other industries. Used in products like drywall, cement, plaster, and soil amendments, synthetic gypsum is produced from waste, reducing environmental impact and production costs. This report provides a comprehensive analysis of the global synthetic gypsum market, examining its size, share, competitive dynamics, and trends from 2023 to 2032, while addressing the effects of external factors such as the COVID-19 pandemic.

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## Market Drivers

The synthetic gypsum market is propelled by rising demand from the construction industry for products like cement, plaster, and drywall. Its ability to form lightweight concrete and hardened cement makes it invaluable for building applications. In agriculture, synthetic gypsum acts as a natural aerator, improving soil structure and aiding in particle agglomeration. The material's environmental benefits, including its derivation from industrial waste and non-toxic properties, align with global sustainability goals, driving adoption. Additionally, stringent regulations like the Clean Air Act have spurred the use of FGD technology, which generates synthetic gypsum by reducing sulfur oxide emissions in coal-fired plants. This environment-friendly production process enhances market growth by addressing both regulatory compliance and waste management.

However, the market faces challenges, notably the availability of natural gypsum as a substitute, which can limit growth. The COVID-19 pandemic further disrupted the market in 2020, with lockdowns halting construction activities and global trade. China, a major exporter of construction materials, experienced significant economic downturns, affecting supply chains. Reduced consumer demand, travel restrictions, and production stoppages in key markets like the U.S., Germany, and China negatively impacted the market. While recovery remains uncertain,

companies are focusing on supply chain resilience and workforce safety to navigate post-COVID challenges.

### Market Segmentation

The global synthetic gypsum market is segmented by type, application, industry, and geography, offering a detailed view of its dynamics.

#### By Type

The market includes various types of synthetic gypsum:

Citrogypsum: Derived from citric acid production.

Fluorogypsum: Produced from hydrofluoric acid manufacturing.

Phosphogypsum: Generated from phosphoric acid production.

Titanogypsum: A byproduct of titanium dioxide production.

Others: Includes specialized forms from niche industrial processes.

#### By Application

Synthetic gypsum serves multiple applications:

Cement: Enhances strength and durability in concrete production.

Plaster: Used for lightweight and durable plaster products.

Drywall: A key component in wallboard manufacturing.

Glass Manufacturing: Improves mechanical properties of glass.

Soil Amendments: Enhances soil quality in agriculture.

#### By Industry

Key industries include:

Construction Industry: For building materials like drywall and cement.

Agriculture Industry: For soil aeration and nutrient management.

Others: Includes water treatment and industrial applications.

#### By Geography

The market is analyzed across:

North America: U.S., Canada, and Mexico lead due to advanced construction sectors.

Europe: France, Germany, Italy, and the UK drive demand through infrastructure projects.

Asia-Pacific: China, India, and Japan fuel growth with rapid urbanization and government investments.

LAMEA: Brazil, South Africa, and the UAE show potential in emerging markets.

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## Key Market Players

The synthetic gypsum market is competitive, with leading players driving innovation:

FEECO International, Inc.: Specializes in material processing solutions.

Knauf Gips KG: A leader in gypsum-based construction products.

Georgia-Pacific Gypsum LLC: Offers high-quality drywall solutions.

LafargeHolcim: Provides synthetic gypsum for cement and construction.

Synthetic Materials LLC, Saint-Gobain, USG Corporation: Focus on sustainable gypsum products.

National Gypsum Properties LLC, PABCO Building Products LLC, American Gypsum: Supply specialized gypsum materials.

These companies invest in advanced production technologies and sustainable practices to meet market demands.

## Key Benefits for Stakeholders

The report offers valuable insights:

Market Analysis: Identifies investment opportunities and trends.

Driver and Restraint Insights: Highlights construction demand and environmental benefits, alongside challenges like natural gypsum competition.

Porter's Five Forces Analysis: Evaluates buyer-supplier dynamics and competitive intensity.

Quantitative Growth Scenarios: Provides data-driven forecasts for market potential.

## Regional Growth Trends

The Asia-Pacific region is a key growth hub due to extensive construction activities and government investments. For instance, India's \$1.4 trillion infrastructure budget for 2019–2020 has spurred demand for synthetic gypsum in transport, railways, and energy projects. Rapid population growth in China and India further drives per capita construction spending, boosting the market. North America and Europe maintain strong demand through advanced infrastructure and environmental regulations, while LAMEA regions show emerging potential.

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## Future Outlook

The synthetic gypsum market is poised for steady growth, driven by global construction, environmental regulations, and sustainable technology adoption. Innovations in FGD and other production methods will enhance efficiency and reduce costs. Asia-Pacific is expected to lead due to urbanization, while North America and Europe will drive technological advancements. Post-COVID recovery will likely boost construction, further increasing demand for synthetic gypsum in eco-friendly applications.

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