

# Synthetic Gypsum Market Forecasted to Soar US\$ 3.5 Billion by 2033, Expanding at a CAGR of 5.1% from 2026–2033

*Global synthetic gypsum growth is fueled by construction demand, reduced natural gypsum mining, and circular economy policies promoting industrial waste reuse.*

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/EINPresswire.com/ -- The global [Synthetic Gypsum Market](#) is poised for steady expansion over the coming years, according to the latest study by Persistence Market Research. The market is projected to grow from US\$

2.5 billion in 2026 to US\$ 3.5 billion by 2033, registering a CAGR of 5.1% during the forecast period. The growth trajectory is primarily supported by the rising demand for sustainable construction materials, increasing utilization of industrial byproducts, and the implementation of circular economy initiatives across developed and emerging economies.

Synthetic gypsum, a byproduct generated from industrial processes such as flue gas desulfurization and chemical manufacturing, has emerged as an environmentally friendly alternative to natural gypsum. Its increasing adoption in construction, agriculture, and industrial applications is helping industries reduce waste while supporting sustainability goals.

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## Rising Demand for Sustainable Construction Materials

The global construction sector continues to be a major growth catalyst for the synthetic gypsum market. Governments and private developers are increasingly focusing on green building practices, driving the demand for eco-friendly materials. Synthetic gypsum is widely utilized in drywall, plaster, and cement manufacturing due to its consistent quality, lower environmental footprint, and cost-effectiveness. As infrastructure development accelerates worldwide, the



demand for sustainable construction inputs is expected to strengthen significantly.

### Expansion of Circular Economy Initiatives

One of the most influential trends shaping the market is the adoption of circular economy principles. Industrial sectors are increasingly encouraged to convert waste streams into valuable resources rather than disposing of them in landfills. Synthetic gypsum exemplifies this transition by transforming industrial byproducts into commercially viable materials. Regulatory frameworks promoting waste valorization and resource efficiency are expected to create long-term growth opportunities for manufacturers and end users alike.

### Increasing Shift Away from Natural Gypsum Mining

Environmental concerns associated with natural gypsum extraction have encouraged industries to seek alternative sources. Synthetic gypsum offers a reliable substitute while reducing the environmental impact of mining activities. Several countries are implementing stricter regulations on mineral extraction, which is expected to accelerate the transition toward industrially derived gypsum products over the forecast period.

### Growth in Cement Manufacturing Applications

The cement industry remains one of the largest consumers of synthetic gypsum. The material plays a critical role in regulating cement setting times and improving product performance. Rising urbanization, industrialization, and infrastructure investments across Asia-Pacific, North America, and the Middle East are driving cement production levels, creating robust demand for synthetic gypsum as a key additive in manufacturing processes.

### Strong Adoption in Drywall Production

The drywall segment is witnessing significant momentum due to the growing preference for lightweight and energy-efficient construction solutions. Synthetic gypsum serves as a primary raw material in drywall manufacturing, offering superior consistency and quality. Rapid growth in residential and commercial construction projects is expected to further enhance market demand, particularly in regions experiencing urban expansion and housing development.

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### Agricultural Applications Supporting Market Growth

Beyond construction, synthetic gypsum is increasingly used as a soil amendment in agriculture. Farmers are adopting gypsum-based products to improve soil structure, enhance water infiltration, and supply essential nutrients such as calcium and sulfur. Growing awareness

regarding sustainable farming practices and soil health management is expected to contribute to the expansion of agricultural applications during the forecast period.

### Technological Advancements in Industrial Processing

Technological innovations are improving the quality and usability of synthetic gypsum products. Manufacturers are investing in advanced processing technologies to enhance purity levels, optimize resource recovery, and expand product applications. These developments are increasing market competitiveness while helping industries achieve higher operational efficiency and environmental compliance.

### Regulatory Support for Industrial Waste Utilization

Governments worldwide are introducing policies that encourage industrial waste recycling and resource recovery. Regulations aimed at reducing landfill waste and lowering carbon emissions are fostering the adoption of synthetic gypsum across various industries. Such policy support is expected to remain a key growth driver, particularly in regions with ambitious sustainability targets and environmental regulations.

### Growing Opportunities in Emerging Economies

Emerging economies across South Asia, Oceania, Latin America, and parts of Africa are witnessing rapid urbanization and industrial development. These regions present substantial opportunities for synthetic gypsum producers due to increasing investments in infrastructure projects, housing developments, and industrial facilities. Rising environmental awareness and government-backed sustainability initiatives are expected to further strengthen market penetration in these regions.

### Market Segmentation

#### By Product Type

- Flue Gas Desulfurization (FGD) Gypsum
- Citrogypsum
- Fluorogypsum
- Phosphogypsum
- Others

#### By End-use

- Cement
- Drywall
- Plaster

- Soil Amendments
- Others

## By Region

- North America
- Europe
- East Asia
- South Asia & Oceania
- Latin America
- Middle East & Africa

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## Company Insights

The synthetic gypsum market is characterized by the presence of established chemical manufacturers and industrial material producers focused on expanding production capabilities, strengthening sustainability initiatives, and enhancing supply chain efficiency.

- AdvanSix Inc.
- Alpek S.A.B. de C.V.
- The Aquafil Group
- BASF SE
- Capro Co.
- China Petrochemical Development Corporation
- Domo Chemicals
- Grupa Azoty
- Gujarat State Fertilizers & Chemicals Limited
- Highsun Group

## Competitive Landscape

Market participants are actively pursuing strategic collaborations, technological advancements, and sustainability-focused investments to strengthen their market positions. Companies are increasingly focusing on resource recovery technologies and environmentally responsible production processes to align with evolving regulatory standards and customer expectations. The competitive environment is expected to intensify as demand for sustainable construction materials and industrial byproduct utilization continues to grow globally.

## Outlook

The global synthetic gypsum market is set for sustained growth through 2033, supported by increasing demand from construction and agricultural sectors, rising environmental regulations, and the accelerating shift toward circular economy practices. As industries continue to prioritize sustainability, resource efficiency, and waste reduction, synthetic gypsum is expected to play an increasingly important role in modern industrial ecosystems, positioning the market for long-term expansion and innovation.

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