

# Foam Glass Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Open Cell, Closed Cell), By Application (Industrial, Building & Construction, Others), By Region, By Competition, 2020-2030F

<https://marketpublishers.com/r/FED618DD107BEN.html>

Date: June 2025

Pages: 188

Price: US\$ 4,500.00 (Single User License)

ID: FED618DD107BEN

## Abstracts

### Market Overview

The Global Foam Glass Market was valued at USD 2.4 billion in 2024 and is projected to reach USD 3.3 billion by 2030, growing at a CAGR of 5.1%. The market is expanding steadily due to the rising emphasis on sustainable and energy-efficient building materials. Foam glass, manufactured from recycled glass and fully recyclable itself, aligns with global sustainability goals and environmentally responsible construction practices. It offers superior thermal and acoustic insulation, making it highly suitable for residential, commercial, and industrial applications by enhancing energy conservation and indoor comfort. Additionally, foam glass boasts fire resistance, chemical durability, and moisture resistance, which make it a preferred solution in challenging environments such as petrochemical facilities, cold storage units, and offshore structures. Its growing adoption is supported by infrastructure development in rapidly urbanizing economies like China, India, and Southeast Asia. Government initiatives promoting green buildings and energy standards are further boosting market growth. Technological innovations have introduced versatile product formats—such as blocks, granules, and boards—expanding usage across construction and industrial domains. With strict environmental regulations and increasing awareness of green construction, foam glass continues to emerge as a dependable, eco-friendly, and high-performance insulation material globally.

### Key Market Drivers

## Rising Demand for Sustainable and Energy-Efficient Insulation Materials

The global demand for sustainable insulation solutions is a key force driving the growth of the foam glass market. Made entirely from recycled glass, foam glass presents a highly eco-conscious option in comparison to conventional insulation materials. Its production results in significantly lower carbon emissions, aligning with government and corporate sustainability agendas. Foam glass offers excellent thermal insulation, which contributes to reduced energy consumption for heating and cooling in buildings—making it a cost-effective and environmentally friendly choice. Additionally, it is fireproof, resistant to moisture and chemicals, and immune to pest infestation, providing enhanced safety and structural integrity. These properties make foam glass an ideal material for use in diverse environments, including fire-prone zones and humid climates. Its non-toxic composition and inert nature make it especially suitable for health-sensitive buildings such as schools and hospitals. With increasing preference for LEED-certified and BREEAM-compliant projects, foam glass is becoming a go-to material in energy-efficient and environmentally responsible construction.

## Key Market Challenges

### High Production Costs and Limited Economies of Scale

A major barrier to the widespread adoption of foam glass is its relatively high production cost, which hinders its competitiveness against other insulation materials. The manufacturing process involves energy-intensive melting of recycled glass at temperatures above 800°C, using chemical foaming agents, resulting in elevated operational expenses. As global energy prices continue to fluctuate, the cost burden intensifies, particularly in regions dependent on fossil fuel-based energy sources. Furthermore, limited production capacity and the absence of large-scale manufacturing facilities restrict economies of scale, resulting in higher per-unit costs. This poses a challenge in cost-sensitive markets, especially in developing regions. Inconsistent access to recycled glass—due to underdeveloped collection infrastructure in some countries—adds to logistical and procurement difficulties, sometimes requiring import of raw materials, further increasing costs. These factors collectively limit the affordability and scalability of foam glass, slowing its penetration in the broader insulation market.

## Key Market Trends

### Growing Adoption in Sustainable Construction and Green Building Certifications

The foam glass market is increasingly shaped by the growing emphasis on sustainable construction and green building standards. With mounting global attention on carbon footprint reduction and environmentally responsible materials, foam glass has gained popularity due to its eco-friendly composition and strong insulation performance. Produced from post-consumer recycled glass and free from harmful emissions, it supports the goals of circular economy and sustainable architecture. It is being increasingly adopted in projects aiming for certifications such as LEED, BREEAM, and WELL, which reward the use of low-impact, durable, and energy-efficient materials. Developers and architects working on institutional, commercial, and governmental buildings are turning to foam glass to meet certification criteria and demonstrate commitment to environmental sustainability. This trend is contributing to the broader acceptance and use of foam glass in modern construction across regions.

### Key Market Players

Owens Corning

Zhejiang Dehe Insulation Technology Co., Ltd.

Misapor AG

Glapor Werk Mitterteich GmbH

UUSIOAINES OY

Polydros S.A.

Earthstone International LLC

Refaglass s.r.o.

### Report Scope:

In this report, the Global Foam Glass Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### Foam Glass Market, By Type:

Open Cell

Closed Cell

### Foam Glass Market, By Application:

Industrial

Building & Construction

Others

### Foam Glass Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

## Asia Pacific

China

India

Japan

South Korea

Australia

## South America

Brazil

Colombia

Argentina

## Middle East & Africa

Saudi Arabia

UAE

South Africa

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the Global Foam Glass Market.

## Available Customizations:

Global Foam Glass Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

### **4. VOICE OF CUSTOMER**

### **5. GLOBAL FOAM GLASS MARKET OUTLOOK**

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Type (Open Cell, Closed Cell)
  - 5.2.2. By Application (Industrial, Building & Construction, Others)
  - 5.2.3. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)

5.3. By Company (2024)

5.4. Market Map

## **6. NORTH AMERICA FOAM GLASS MARKET OUTLOOK**

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Type

6.2.2. By Application

6.2.3. By Country

6.3. North America: Country Analysis

6.3.1. United States Foam Glass Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Type

6.3.1.2.2. By Application

6.3.2. Canada Foam Glass Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Type

6.3.2.2.2. By Application

6.3.3. Mexico Foam Glass Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Type

6.3.3.2.2. By Application

## **7. EUROPE FOAM GLASS MARKET OUTLOOK**

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Type

7.2.2. By Application

7.2.3. By Country

### 7.3. Europe: Country Analysis

#### 7.3.1. Germany Foam Glass Market Outlook

##### 7.3.1.1. Market Size & Forecast

###### 7.3.1.1.1. By Value

##### 7.3.1.2. Market Share & Forecast

###### 7.3.1.2.1. By Type

###### 7.3.1.2.2. By Application

#### 7.3.2. France Foam Glass Market Outlook

##### 7.3.2.1. Market Size & Forecast

###### 7.3.2.1.1. By Value

##### 7.3.2.2. Market Share & Forecast

###### 7.3.2.2.1. By Type

###### 7.3.2.2.2. By Application

#### 7.3.3. United Kingdom Foam Glass Market Outlook

##### 7.3.3.1. Market Size & Forecast

###### 7.3.3.1.1. By Value

##### 7.3.3.2. Market Share & Forecast

###### 7.3.3.2.1. By Type

###### 7.3.3.2.2. By Application

#### 7.3.4. Italy Foam Glass Market Outlook

##### 7.3.4.1. Market Size & Forecast

###### 7.3.4.1.1. By Value

##### 7.3.4.2. Market Share & Forecast

###### 7.3.4.2.1. By Type

###### 7.3.4.2.2. By Application

#### 7.3.5. Spain Foam Glass Market Outlook

##### 7.3.5.1. Market Size & Forecast

###### 7.3.5.1.1. By Value

##### 7.3.5.2. Market Share & Forecast

###### 7.3.5.2.1. By Type

###### 7.3.5.2.2. By Application

## 8. ASIA PACIFIC FOAM GLASS MARKET OUTLOOK

### 8.1. Market Size & Forecast

#### 8.1.1. By Value

### 8.2. Market Share & Forecast

#### 8.2.1. By Type

#### 8.2.2. By Application

### 8.2.3. By Country

## 8.3. Asia Pacific: Country Analysis

### 8.3.1. China Foam Glass Market Outlook

#### 8.3.1.1. Market Size & Forecast

##### 8.3.1.1.1. By Value

#### 8.3.1.2. Market Share & Forecast

##### 8.3.1.2.1. By Type

##### 8.3.1.2.2. By Application

### 8.3.2. India Foam Glass Market Outlook

#### 8.3.2.1. Market Size & Forecast

##### 8.3.2.1.1. By Value

#### 8.3.2.2. Market Share & Forecast

##### 8.3.2.2.1. By Type

##### 8.3.2.2.2. By Application

### 8.3.3. Japan Foam Glass Market Outlook

#### 8.3.3.1. Market Size & Forecast

##### 8.3.3.1.1. By Value

#### 8.3.3.2. Market Share & Forecast

##### 8.3.3.2.1. By Type

##### 8.3.3.2.2. By Application

### 8.3.4. South Korea Foam Glass Market Outlook

#### 8.3.4.1. Market Size & Forecast

##### 8.3.4.1.1. By Value

#### 8.3.4.2. Market Share & Forecast

##### 8.3.4.2.1. By Type

##### 8.3.4.2.2. By Application

### 8.3.5. Australia Foam Glass Market Outlook

#### 8.3.5.1. Market Size & Forecast

##### 8.3.5.1.1. By Value

#### 8.3.5.2. Market Share & Forecast

##### 8.3.5.2.1. By Type

##### 8.3.5.2.2. By Application

## 9. MIDDLE EAST & AFRICA FOAM GLASS MARKET OUTLOOK

### 9.1. Market Size & Forecast

#### 9.1.1. By Value

### 9.2. Market Share & Forecast

#### 9.2.1. By Type

- 9.2.2. By Application
- 9.2.3. By Country
- 9.3. Middle East & Africa: Country Analysis
  - 9.3.1. Saudi Arabia Foam Glass Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast
      - 9.3.1.2.1. By Type
      - 9.3.1.2.2. By Application
  - 9.3.2. UAE Foam Glass Market Outlook
    - 9.3.2.1. Market Size & Forecast
      - 9.3.2.1.1. By Value
    - 9.3.2.2. Market Share & Forecast
      - 9.3.2.2.1. By Type
      - 9.3.2.2.2. By Application
  - 9.3.3. South Africa Foam Glass Market Outlook
    - 9.3.3.1. Market Size & Forecast
      - 9.3.3.1.1. By Value
    - 9.3.3.2. Market Share & Forecast
      - 9.3.3.2.1. By Type
      - 9.3.3.2.2. By Application

## **10. SOUTH AMERICA FOAM GLASS MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Type
  - 10.2.2. By Application
  - 10.2.3. By Country
- 10.3. South America: Country Analysis
  - 10.3.1. Brazil Foam Glass Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Type
      - 10.3.1.2.2. By Application
  - 10.3.2. Colombia Foam Glass Market Outlook
    - 10.3.2.1. Market Size & Forecast

- 10.3.2.1.1. By Value
- 10.3.2.2. Market Share & Forecast
  - 10.3.2.2.1. By Type
  - 10.3.2.2.2. By Application
- 10.3.3. Argentina Foam Glass Market Outlook
  - 10.3.3.1. Market Size & Forecast
    - 10.3.3.1.1. By Value
  - 10.3.3.2. Market Share & Forecast
    - 10.3.3.2.1. By Type
    - 10.3.3.2.2. By Application

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS AND DEVELOPMENTS**

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

## **13. COMPANY PROFILES**

- 13.1. Owens Corning
  - 13.1.1. Business Overview
  - 13.1.2. Key Revenue and Financials
  - 13.1.3. Recent Developments
  - 13.1.4. Key Personnel
  - 13.1.5. Key Product/Services Offered
- 13.2. Zhejiang Dehe Insulation Technology Co., Ltd.
- 13.3. Misapor AG
- 13.4. Glapor Werk Mitterteich GmbH
- 13.5. UUSIOAINES OY
- 13.6. Polydros S.A.
- 13.7. Earthstone International LLC
- 13.8. Refaglass s.r.o.

## **14. STRATEGIC RECOMMENDATIONS**

## 15. ABOUT US & DISCLAIMER

## I would like to order

Product name: Foam Glass Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Open Cell, Closed Cell), By Application (Industrial, Building & Construction, Others), By Region, By Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/FED618DD107BEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/FED618DD107BEN.html>