

Global Foam Glass Market Report and Forecast 2024-2032

Market Report | 2023-11-16 | 181 pages | EMR Inc.

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Report description:

Global Foam Glass Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the global foam glass market is projected to grow at a CAGR of 4.8% between 2024 and 2032. Aided by its diverse applications across various sectors, the market is expected to grow significantly by 2032.

Foam glass, a lightweight, porous glass material, is primarily derived from recycled glass and is renowned for its insulation properties. It is extensively used in construction, industrial insulation, and as a lightweight fill material. The unique combination of characteristics such as thermal insulation, fire resistance, and soundproofing makes foam glass an essential material in various applications.

The foam glass market growth is primarily fuelled by the rising demand for sustainable and energy-efficient building materials. As the global emphasis on reducing energy consumption and carbon footprint intensifies, foam glass emerges as a preferred choice due to its excellent insulation properties and eco-friendliness. Additionally, the construction boom in emerging economies is significantly contributing to the market's expansion.

Another factor boosting the foam glass market demand is its widening scope of applications in industrial insulation. Industries, including petrochemical, refrigeration, and shipbuilding, are increasingly adopting foam glass for its superior insulation, fire resistance, and durability. This adoption is driven by stringent regulations regarding energy efficiency and safety standards in industrial setups.

The advancements in foam glass technology and the integration of recycled materials have also played a pivotal role in market growth. The utilisation of recycled glass not only enhances the sustainability aspect but also reduces the production cost, making foam glass a cost-effective solution for various applications.

Moreover, the growing awareness and demand for fire-resistant and soundproof materials in the construction sector have significantly influenced the foam glass market outlook. Its non-combustible nature and sound insulation properties make it an ideal material for applications in high-rise buildings, commercial complexes, and industrial facilities.

In the realm of lightweight fill applications, foam glass is gaining traction due to its low density and high strength. It is being increasingly used in road construction, landscaping, and as a lightweight aggregate, thereby further diversifying its market reach.

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Market Segmentation

The market can be divided based on type, process, application, end use, and region.

Market Breakup by Type

- Open Cell
- Closed Cell

Market Breakup by Process

- Physical Process
- Chemical Process

Market Breakup by Application

- Building and Industrial Insulation
- Chemical Processing System
- Consumer Abrasive
- Others

Market Breakup by End Use

- Building and Construction
 - o□ Residential and Commercial Construction
 - o□ Civil Construction
- Industrial
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global foam glass market. Some of the major players explored in the report by Expert Market Research are as follows:

- Owens Corning
- Zhejiang Zhenshen Thermal Insulation Technology Co. Ltd.
- GLAPOR Werk Mitterteich GmbH
- POLYDROS, S.A.
- Earthstone International LLC
- Refaglass
- Others

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Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Foam Glass Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Foam Glass Historical Market (2018-2023)
 - 8.3 Global Foam Glass Market Forecast (2024-2032)
 - 8.4 Global Foam Glass Market by Type
 - 8.4.1 Open Cell
 - 8.4.1.1 Historical Trend (2018-2023)
 - 8.4.1.2 Forecast Trend (2024-2032)
 - 8.4.2 Closed Cell
 - 8.4.2.1 Historical Trend (2018-2023)
 - 8.4.2.2 Forecast Trend (2024-2032)
 - 8.5 Global Foam Glass Market by Process
 - 8.5.1 Physical Process
 - 8.5.1.1 Historical Trend (2018-2023)
 - 8.5.1.2 Forecast Trend (2024-2032)
 - 8.5.2 Chemical Process
 - 8.5.2.1 Historical Trend (2018-2023)
 - 8.5.2.2 Forecast Trend (2024-2032)
 - 8.6 Global Foam Glass Market by Application
 - 8.6.1 Building and Industrial Insulation
 - 8.6.1.1 Historical Trend (2018-2023)
 - 8.6.1.2 Forecast Trend (2024-2032)
 - 8.6.2 Chemical Processing System
 - 8.6.2.1 Historical Trend (2018-2023)
 - 8.6.2.2 Forecast Trend (2024-2032)
 - 8.6.3 Consumer Abrasive
 - 8.6.3.1 Historical Trend (2018-2023)
 - 8.6.3.2 Forecast Trend (2024-2032)

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- 8.6.4 Others
- 8.7 Global Foam Glass Market by End Use
 - 8.7.1 Building and Construction
 - 8.7.1.1 Historical Trend (2018-2023)
 - 8.7.1.2 Forecast Trend (2024-2032)
 - 8.7.1.3 Breakup by Type
 - 8.7.1.3.1 Residential and Commercial Construction
 - 8.7.1.3.2 Civil Construction
 - 8.7.2 Industrial
 - 8.7.2.1 Historical Trend (2018-2023)
 - 8.7.2.2 Forecast Trend (2024-2032)
 - 8.7.3 Others
- 8.8 Global Foam Glass Market by Region
 - 8.8.1 North America
 - 8.8.1.1 Historical Trend (2018-2023)
 - 8.8.1.2 Forecast Trend (2024-2032)
 - 8.8.2 Europe
 - 8.8.2.1 Historical Trend (2018-2023)
 - 8.8.2.2 Forecast Trend (2024-2032)
 - 8.8.3 Asia Pacific
 - 8.8.3.1 Historical Trend (2018-2023)
 - 8.8.3.2 Forecast Trend (2024-2032)
 - 8.8.4 Latin America
 - 8.8.4.1 Historical Trend (2018-2023)
 - 8.8.4.2 Forecast Trend (2024-2032)
 - 8.8.5 Middle East and Africa
 - 8.8.5.1 Historical Trend (2018-2023)
 - 8.8.5.2 Forecast Trend (2024-2032)
- 9 North America Foam Glass Market Analysis
 - 9.1 United States of America
 - 9.1.1 Historical Trend (2018-2023)
 - 9.1.2 Forecast Trend (2024-2032)
 - 9.2 Canada
 - 9.2.1 Historical Trend (2018-2023)
 - 9.2.2 Forecast Trend (2024-2032)
- 10 Europe Foam Glass Market Analysis
 - 10.1 United Kingdom
 - 10.1.1 Historical Trend (2018-2023)
 - 10.1.2 Forecast Trend (2024-2032)
 - 10.2 Germany
 - 10.2.1 Historical Trend (2018-2023)
 - 10.2.2 Forecast Trend (2024-2032)
 - 10.3 France
 - 10.3.1 Historical Trend (2018-2023)
 - 10.3.2 Forecast Trend (2024-2032)
 - 10.4 Italy
 - 10.4.1 Historical Trend (2018-2023)

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- 10.4.2 Forecast Trend (2024-2032)
- 10.5 Others
- 11 Asia Pacific Foam Glass Market Analysis
 - 11.1 China
 - 11.1.1 Historical Trend (2018-2023)
 - 11.1.2 Forecast Trend (2024-2032)
 - 11.2 Japan
 - 11.2.1 Historical Trend (2018-2023)
 - 11.2.2 Forecast Trend (2024-2032)
 - 11.3 India
 - 11.3.1 Historical Trend (2018-2023)
 - 11.3.2 Forecast Trend (2024-2032)
 - 11.4 ASEAN
 - 11.4.1 Historical Trend (2018-2023)
 - 11.4.2 Forecast Trend (2024-2032)
 - 11.5 Australia
 - 11.5.1 Historical Trend (2018-2023)
 - 11.5.2 Forecast Trend (2024-2032)
 - 11.6 Others
- 12 Latin America Foam Glass Market Analysis
 - 12.1 Brazil
 - 12.1.1 Historical Trend (2018-2023)
 - 12.1.2 Forecast Trend (2024-2032)
 - 12.2 Argentina
 - 12.2.1 Historical Trend (2018-2023)
 - 12.2.2 Forecast Trend (2024-2032)
 - 12.3 Mexico
 - 12.3.1 Historical Trend (2018-2023)
 - 12.3.2 Forecast Trend (2024-2032)
 - 12.4 Others
- 13 Middle East and Africa Foam Glass Market Analysis
 - 13.1 Saudi Arabia
 - 13.1.1 Historical Trend (2018-2023)
 - 13.1.2 Forecast Trend (2024-2032)
 - 13.2 United Arab Emirates
 - 13.2.1 Historical Trend (2018-2023)
 - 13.2.2 Forecast Trend (2024-2032)
 - 13.3 Nigeria
 - 13.3.1 Historical Trend (2018-2023)
 - 13.3.2 Forecast Trend (2024-2032)
 - 13.4 South Africa
 - 13.4.1 Historical Trend (2018-2023)
 - 13.4.2 Forecast Trend (2024-2032)
 - 13.5 Others
- 14 Market Dynamics
 - 14.1 SWOT Analysis
 - 14.1.1 Strengths

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- 14.1.2 Weaknesses
- 14.1.3 Opportunities
- 14.1.4 Threats
- 14.2 Porter's Five Forces Analysis
 - 14.2.1 Supplier's Power
 - 14.2.2 Buyer's Power
 - 14.2.3 Threat of New Entrants
 - 14.2.4 Degree of Rivalry
 - 14.2.5 Threat of Substitutes
- 14.3 Key Indicators for Demand
- 14.4 Key Indicators for Price
- 15 Value Chain Analysis
- 16 Price Analysis
- 17 Competitive Landscape
 - 17.1 Market Structure
 - 17.2 Company Profiles
 - 17.2.1 Owens Corning
 - 17.2.1.1 Company Overview
 - 17.2.1.2 Product Portfolio
 - 17.2.1.3 Demographic Reach and Achievements
 - 17.2.1.4 Certifications
 - 17.2.2 Zhejiang Zhenshen Thermal Insulation Technology Co. Ltd.
 - 17.2.2.1 Company Overview
 - 17.2.2.2 Product Portfolio
 - 17.2.2.3 Demographic Reach and Achievements
 - 17.2.2.4 Certifications
 - 17.2.3 GLAPOR Werk Mitterteich GmbH
 - 17.2.3.1 Company Overview
 - 17.2.3.2 Product Portfolio
 - 17.2.3.3 Demographic Reach and Achievements
 - 17.2.3.4 Certifications
 - 17.2.4 POLYDROS,S.A.
 - 17.2.4.1 Company Overview
 - 17.2.4.2 Product Portfolio
 - 17.2.4.3 Demographic Reach and Achievements
 - 17.2.4.4 Certifications
 - 17.2.5 Earthstone International LLC
 - 17.2.5.1 Company Overview
 - 17.2.5.2 Product Portfolio
 - 17.2.5.3 Demographic Reach and Achievements
 - 17.2.5.4 Certifications
 - 17.2.6 Refaglass
 - 17.2.6.1 Company Overview
 - 17.2.6.2 Product Portfolio
 - 17.2.6.3 Demographic Reach and Achievements
 - 17.2.6.4 Certifications
 - 17.3.7 Others

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18 Key Trends and Developments in the Market

List of Key Figures and Tables

1. Global Foam Glass Market: Key Industry Highlights, 2018 and 2032
2. Global Foam Glass Historical Market: Breakup by Type, 2018-2023
3. Global Foam Glass Market Forecast: Breakup by Type 2024-2032
4. Global Foam Glass Historical Market: Breakup by Process 2018-2023
5. Global Foam Glass Market Forecast: Breakup by Process 2024-2032
6. Global Foam Glass Historical Market: Breakup by Application 2018-2023
7. Global Foam Glass Market Forecast: Breakup by Application 2024-2032
8. Global Foam Glass Historical Market: Breakup by End Use 2018-2023
9. Global Foam Glass Market Forecast: Breakup by End Use 2024-2032
10. Global Foam Glass Historical Market: Breakup by Region 2018-2023
11. Global Foam Glass Market Forecast: Breakup by Region 2024-2032
12. North America Foam Glass Historical Market: Breakup by Country ,2018-2023
13. North America Foam Glass Market Forecast: Breakup by Country ,2024-2032
14. Europe Foam Glass Historical Market: Breakup by Country, 2018-2023
15. Europe Foam Glass Market Forecast: Breakup by Country, 2024-2032
16. Asia Pacific Foam Glass Historical Market: Breakup by Country, 2018-2023
17. Asia Pacific Foam Glass Market Forecast: Breakup by Country, 2024-2032
18. Latin America Foam Glass Historical Market: Breakup by Country, 2018-2023
19. Latin America Foam Glass Market Forecast: Breakup by Country, 2024-2032
20. Middle East and Africa Foam Glass Historical Market: Breakup by Country, 2018-2023
21. Middle East and Africa Foam Glass Market Forecast: Breakup by Country, 2024-2032
22. Global Foam Glass Market Structure

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