

Microporous Insulation Market Report by Material (Alumina Silica, Calcium Magnesium Silicate, and Others), Product (Rigid Boards and Panels, Flexible Panels, and Others), Application (Industrial, Energy and Power, Oil and Gas, Aerospace and Defense, and Others), and Region 2024-2032

Market Report | 2024-08-10 | 148 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

Report description:

The global microporous insulation market size reached US\$ 161.6 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 229.2 Million by 2032, exhibiting a growth rate (CAGR) of 3.8% during 2024-2032.

Microporous insulation is a composite material available in compact powder or fiber form with opacifiers. It offers compressive strength, minimal thermal shrinkage, excellent fire barrier, and resistance to liquids, vibration, and chemicals. As it is inorganic and non-combustible, it is considered suitable for passive fire protection applications. Besides this, it is widely used in refining and petrochemical manufacturing plants for industrial process piping and equipment. It is also utilized in filler material for mattresses, cassettes, heat shields, and expansion joints across the globe.

Microporous Insulation Market Trends:

Microporous insulation is used in the nuclear steam supply system (NSSS) to control the heat of various elements, including reactors, pipes, pumps, and valves. The growing demand for nuclear energy due to the increasing consumption of electricity, along with the rising concerns about environmental pollution and climate change, acts as a major growth-inducing factor. Moreover, the increasing air traffic is catalyzing the demand for microporous insulation for heat shields and protection of data recorder boxes of airplanes. The rising exploration of oil and gas activities to deep-water areas is also promoting the use of microporous insulation in subsea pipelines. Apart from this, it is employed in the automotive industry to meet specified heat loss requirements. As microporous insulation is environmental-friendly, it is gaining traction in road, marine, and railway applications. Furthermore, its escalating demand in the energy and power, aerospace, and defense sectors is strengthening the market.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Additionally, major market players are investing in research and development (R&D) activities to develop innovative product variants and meet constantly changing consumer needs. They are also offering high-quality acoustic insulation, which is anticipated to propel the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global microporous insulation market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on material, product and application.

Breakup by Material:

- Alumina Silica
- Calcium Magnesium Silicate
- Others

Breakup by Product:

- Rigid Boards and Panels
- Flexible Panels
- Others

Breakup by Application:

- Industrial
- Energy and Power
- Oil and Gas
- Aerospace and Defense
- Others

Breakup by Region:

- North America
 - o□United States
 - o□Canada
- Asia-Pacific
 - o□China
 - o□Japan
 - o□India
 - o□South Korea
 - o□Australia
 - o□Indonesia
 - o□Others
- Europe
 - o□Germany
 - o□France
 - o□United Kingdom
 - o□Italy
 - o□Spain
 - o□Russia
 - o□Others
- Latin America
 - o□Brazil
 - o□Mexico

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

o Others

- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Elmelin Ltd., Etex Group, Isoleika S. Coop, Johns Manville Corporation (Berkshire Hathaway Inc.), Kingspan Group Plc, Morgan Advanced Materials plc, NICHIAS Corporation, Siltherm Group Holdings Limited, TECHNO-PHYSIK Engineering GmbH, Unicorn Insulations Limited and Unifrax LLC.

Key Questions Answered in This Report:

- How has the global microporous insulation market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the global microporous insulation market?
- What are the key regional markets?
- What is the breakup of the market based on the material?
- What is the breakup of the market based on the product?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global microporous insulation market and who are the key players?
- What is the degree of competition in the industry?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Microporous Insulation Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Material
 - 6.1 Alumina Silica
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Calcium Magnesium Silicate

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.2.1 Market Trends
- 6.2.2 Market Forecast
- 6.3 Others
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 7 Market Breakup by Product
 - 7.1 Rigid Boards and Panels
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Flexible Panels
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Others
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 8 Market Breakup by Application
 - 8.1 Industrial
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Energy and Power
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Oil and Gas
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Aerospace and Defense
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
 - 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.2.3.1 Market Trends
- 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.5.1 Market Trends
- 9.5.2 Market Breakup by Country
- 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Elmelin Ltd.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 Etex Group
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Isoleika S. Coop
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.4 Johns Manville Corporation (Berkshire Hathaway Inc.)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Kingspan Group Plc
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis
 - 14.3.6 Morgan Advanced Materials plc
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.7 NICHIAS Corporation
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 14.3.7.4 SWOT Analysis
- 14.3.8 Siltherm Group Holdings Limited
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 TECHNO-PHYSIK Engineering GmbH
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Unicorn Insulations Limited
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Unifrax LLC
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Microporous Insulation Market Report by Material (Alumina Silica, Calcium Magnesium Silicate, and Others), Product (Rigid Boards and Panels, Flexible Panels, and Others), Application (Industrial, Energy and Power, Oil and Gas, Aerospace and Defense, and Others), and Region 2024-2032

Market Report | 2024-08-10 | 148 pages | IMARC Group

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2026-03-03

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com