

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 2023-2028

<https://marketpublishers.com/r/MA221348D7FBEN.html>

Date: November 2023

Pages: 139

Price: US\$ 2,499.00 (Single User License)

ID: MA221348D7FBEN

Abstracts

The global microporous insulation market size reached US\$ 154.8 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 200.4 Million by 2028, exhibiting a growth rate (CAGR) of 4.4% during 2022-2028.

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. 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 2023-2028. 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

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

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