

# High temperature insulation materials - Global Market Outlook (2017-2026)

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## Abstracts

According to Statistics MRC, the Global High Temperature Insulation Material market is accounted for \$3.6 billion in 2017 and is expected to reach \$7.9 billion by 2026 growing at a CAGR of 9.1%. The growth of this market is mainly attributed by rising emission control rules, growing demand for energy efficient equipment and fast industrialization in emerging economies. However, carcinogenic nature of ceramic fibres is hampering the market growth.

High temperature insulation materials play a very significant role in the various chemical processes to hold loss of energy occurring through the surfaces of the containers. The thermal conductivity of the insulation materials depend on porosity, pore shape and size. The materials used in the insulation have a porosity of more than 40% to 90%. In extreme conditions, the porosity of the materials is maintained at 99%.

Based on end user, petrochemicals have the steady growth due to the increasing demand for petrochemical products among various regions and the improvement of new manufacturing units that use high temperature insulations owing to the growing concerns associated with energy savings and GHG emissions. However, Ceramic fibres are extensively utilized in various end-use industries. These fibres have low thermal conductivity, which make them a significant energy-saving material. In addition, ceramic fibres have low density and low thermal inertia, which facilitate the control of temperature inside the insulating surface.

By geography, Asia-Pacific is the largest regional segment in terms of value and volume. Countries in this region are witnessing a gradual increase in the use of high temperature insulation materials. The shift in the manufacturing base of several end-use industries, raise in foreign investments, and increase in the number of new

manufacturing establishment in various sectors are some of the factors propelling the market growth.

Some of the key players in global high temperature insulation material market include Rath-Group, Almatis, Skamol A/S, Dyson Technical Ceramics, Luyang Energy-Saving Materials Co., Ltd., Morgan Advanced Materials, 3M Company, Pacor Inc., ZIRCAR Ceramics., Etex Group, Pyrotek Inc, BNZ Materials, Inc., Unifrax I LLC , Hi-Temp Insulation Inc., Cotronics Corporation and Prairie Ceramic Corp.

#### Ranges Covered:

1,700°C and Above

1,500-1,700°C

1100-1500°C

600-1,100°C

#### Types Covered:

Calcium Silicate

Ceramic Fibers

Insulating Firebricks (IFB)

Other Types

#### Material Types Covered:

Mineral Wool

Polycrystalline Fiber

Polystyrene

Fiberglass

Ceramic Fibers

Polyurethane Foam

Cellulose

Polyisocyanurate

Aerogel

Other Material Types

End Users Covered:

Petrochemicals

Ceramics

Iron & Steel

Powder Metallurgy

Refractory

Aluminium

Glass

Cement

Electrical & Electronics

Construction

Power Generation

Industrial

Transportation

Other End Users

Applications Covered:

Cryogenics

Circuit Board

Insulation

Industrial Equipment

Medical devices

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

#### Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

#### South America

Argentina

Brazil

Chile

Rest of South America

#### Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

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