

Calcium Silicate Insulation Market by Temperature (High-Temperature & Mid-Temperature), End-use Industry (Metals, Industrial, Power Generation, Petrochemical, Transport), and Region (Europe, North America, APAC, MEA, South America) - Global Forecast to 2026

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Abstracts

The calcium silicate insulation market size is estimated to be USD 256 million in 2021 and is projected to reach USD 320 million by 2026, at a CAGR of 4.6% between 2021 and 2026. The growth of the calcium silicate insulation market is primarily triggered by its increasing use in the transport and power generation industries. The major restraint for the market will be low awareness regarding the use of insulation products. However, rising demand for green building materials from developed regions will act as an opportunity for the market.

“The high temperature is the largest calcium silicate insulation temperature for calcium silicate insulation market in 2020”

The growing aluminum, cement, glass, and petrochemical industries in developing economies and rebound in power generation and other industrial activities in developed economies are expected to drive the market for the high temperature range segment. The need for sustainable thermal insulation in high temperature processing industries and increased regulations supporting the same are driving the calcium silicate insulation market.

“Metals is estimated to be the largest end-use industry of calcium silicate insulation market between 2021 and 2026.”

Calcium silicate insulation is used in metal processing industries for steel, aluminium, and ferrous & non-ferrous casting application such as billet and ingot casting as transition plates, floats, spouts; head boxes for continuous casters; tips for continuous sheet casters; sprue bushes, tubes, nozzles and feeder box liner in low pressure die casting; hot face linings for dosing/holding furnaces and in launders & dams. It is also used for thermal insulation of liquid metals, for instance, it is used in direct contact with liquid aluminium alloys for transport, distribution and flow control of the metal. In order to achieve fire resistance rating, steel structures are cladded around with calcium silicate to provide thermal insulation. Other applications in the metal industry includes providing components for the manufacturing of bolts and ingots in horizontal and vertical casting, for example nozzles, floats, stoppers and hot top rings. It is also used as an insulating medium for metal cladding.

“APAC is expected to be the largest calcium silicate insulation market during the forecast period, in terms of value.”

APAC has dominated the global calcium silicate insulation market due to the growing investments in developing countries and manufacturing capacity additions across end-use industries, especially power generation, petrochemical, transport, metal processing and industrial infrastructure activities is increasing in developing economies such as China and India. This drives demand for thermal insulation, which has contributed significantly to the growth of the calcium silicate insulation market in APAC. China is the key market for calcium silicate insulation in the APAC due to its increasing industrialization and low-cost manufacturing technology. Most key players operating in the calcium silicate insulation market have their production capacities in APAC since the region's production cost is lower than that in other regions. Some major players in APAC are A&A Material Corporation, Nichias Corporation, Sanle Group, Taisyou International Business Co. Ltd., Guangdong New Element Building Material Co. Ltd. and Beijing Hocreboard Building Material Co. Ltd. The demand for calcium silicate insulation is growing, especially in North America and the Europe. Thus, the markets in these regions are expected to register higher growth in comparison to other regions.

In the process of determining and verifying the market size for several segments and subsegments identified through secondary research, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees are as follows:

By Company Type: Tier 1 - 45%, Tier 2 - 30%, and Tier 3 - 25%

By Designation: C-Level - 46%, Director Level - 25%, and Others - 29%

By Region: North America - 27%, Europe - 27%, APAC - 33%, South America - 7%, and Middle East & Africa - 6%,

The key market players profiled in the report include Skamol (Denmark), A&A Material Corporation (Japan), Promat (Etex Group) (Belgium), BNZ Materials (US), Johns Manville (US), Anglitemp (UK), NICHIAS Corporation (Japan), Calsitherm (Japan), SANLE Group (China), Taisyou International Business Co. Ltd. (Taiwan), Guangdong New Element Building Material Co. Ltd. (China) and Beijing Hocreboard Building Material Co. Ltd. (China).

Research Coverage

This report segments the market for calcium silicate insulation on the basis of temperature, end-use industry, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisition associated with the market for calcium silicate insulation.

Reasons to buy this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the calcium silicate insulation market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on calcium silicate insulation offered by top players in the global calcium silicate insulation market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the calcium silicate insulation market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for calcium silicate insulation across regions

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global calcium silicate insulation market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the calcium silicate insulation market

Impact of COVID-19 on calcium silicate insulation Market

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