

# **Active Calcium Silicate Market Report by Form (Blocks, Powder, Boards), Application (Insulation, Fire Protection, Paints and Coatings, Ceramics, Cement, and Others), and Region 2024-2032**

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## **Abstracts**

The global active calcium silicate market size reached US\$ 346.3 Million in 2023. Looking forward, the market is expected to reach US\$ 526.6 Million by 2032, exhibiting a growth rate (CAGR) of 4.67% during 2024-2032.

Active calcium silicate is a chemical with a high-water absorption rate and a low bulk density. It is widely used to replace highly toxic asbestos compounds in various industrial applications that require high strength and durability. It is also utilized for preventing corrosion caused by electrolytic cells and entrapped moisture in insulated enclosures. Apart from this, it finds extensive usage in improving the mechanical properties of bioactive glasses and making them suitable for load-bearing purposes.

### **Active Calcium Silicate Market Trends:**

Active calcium silicate-based materials are widely utilized in numerous endodontic and oral surgical procedures as they have excellent apical sealing and can acquire high pH after mixing. In line with this, as these materials decrease therapy duration and reduce the risk of tooth fractures and incomplete calcification, the increasing prevalence of oral diseases represents one of the key factors impelling the market growth. Moreover, the growing geriatric population, which is more vulnerable to develop dental decay, gum diseases, oral cancer, mouth infections, and tooth loss, is driving the demand for nanostructured active calcium silicates for effective root canal obturation therapy. Furthermore, increasing road accidents and traumatic experiences are expanding the applications of nanostructured active calcium silicate as grafts in bone regeneration around the world. Apart from this, the burgeoning construction industry is contributing to

the utilization of active calcium silicate foams for the internal insulation of walls. Additionally, several manufacturers are developing active calcium silicates using nanotechnology to enhance their physical properties, such as flowability, consistency, and setting time. Such innovations are anticipated to increase product use in different end use industries across the globe and propel the market growth.

#### Key Market Segmentation:

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

#### Breakup by Form:

- Blocks
- Powder
- Boards

#### Breakup by Application:

- Insulation
- Fire Protection
- Paints and Coatings
- Ceramics
- Cement
- 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 2K Technologies, Etex Group, Johns Manville (Berkshire Hathaway), MLA Group of Industries, Neelkanth Finechem LLP., Ramco Industries Ltd., Sanmati Mascot Exim, Sibelco, Skamol Group, Soben International (Asia Pacific) Ltd., Weifang Hongyuan Chemical Co. Ltd and Xella International.

#### Key Questions Answered in This Report:

How has the global active calcium silicate market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global active calcium silicate market?

What are the key regional markets?

What is the breakup of the market based on the form?

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 active calcium silicate market and who are the key players?

What is the degree of competition in the industry?

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