

Global Silicate Coatings Market Outlook to 2027

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Abstracts

Silicate coatings are alkali metal silicates produced from naturally occurring materials like sand & alkali and are composed of Sodium pyrosilicate & Trimethylsilyl chloride. According to BlueQuark Research and Consulting, the global Silicate Coatings Market is expected to witness a significant growth rate during the forecasted period. Factors like the increase in developments of massive infrastructure, urbanization, and growing population are major factors driving the growth of the silicate coatings industry, which in turn propels this market growth. Further, increased usage of silicate coatings as a corrosion preventer for applications like gas pipelines & cargo tanks is driving the market's growth. Furthermore, increasing focus on preserving historical structures is also contributing to the development of silicate coatings. Sodium pyrosilicate & trimethylsilyl chloride-based coatings are less toxic, odorless, & have no VOC, making them ideal for interior coating, especially in a residential or architectural building. However, the high price of silicate coatings & plasma polymerization process is one factor that hinders the market growth.

Silicate coatings are used in many applications of construction & buildings in cement, binders, filler, & adhesives. It is also used as a wall coating in concrete, roof, detergents, paper, water treatment, etc.

The demand for silicate coatings is primarily driven by multiplication in the construction and building industry which is a growing concern due to an increase in air pollution. The construction industry is on the rise due to the surge in urbanization in the region, increasing the demand for silicate coatings in the forecasted years. The pure silicate coating is considered highly durable, has antifungal properties, is weather-resistant, and provides a protective layer against exhaust gases and fumes. They are based upon mineral raw materials due to moisture accommodates in parts of a structure, or the plaster may diffuse outward without resistance which keeps the wall dry and prevents structural damage. This addition helps avoid water condensation on the surface of

building materials, reducing the risk of infestation by algae and fungi. Silicate paints are highly color tone stable. They are environmentally compatible in manufacture & effect due to their high durability, helps to preserve resources, and their contaminant-free composition maintains health & the environment. The construction industry has also been upgrading its infrastructure, which indirectly attracts foreign investment, thus increase its market growth rate. Silicate paints have gained popularity in sustainable construction and especially in architectural buildings.

Some market's key players are Wacker Chemie AG, Teknos Group Oy, Breathe Silicate Hybrid paint, Jotun, Asian Paints, ASE Group, among others.

The Asia Pacific region is awaited to be the leader in the production & consumption of the silicate coating market, with most companies in China & India. This region is home to over 60% of the world's total population due to the increasing population, which has facilitated the expansion in the housing segment, thereby driving residential construction worldwide. Factors such as growing construction activities and preferences for low-maintenance building products are favoring the market growth. The construction sector in India has been developing quickly with increased investment by the government, and they initiated a project named 'Housing for All by 2022', which in return, is expected to grow the silicate coatings market. They are stable and durable coatings, with compelling long-lasting color and natural effect. Silicate coatings are non-flammable, highly durable, & have excellent weather ability properties, and these properties are widely used in plasma polymerization, high temperature, and weathering condition application. Silicate coatings are used in industries to protect their machine and equipment from a chemical spill, constant wear, corrosion & heat. However, a rise in manufacturing industries will further drive the growth of the market.

September 2021, Cymat Technologies Ltd. announced the signing of a Memorandum of Understanding (the 'MOU') with Alucoil, SA. ('Alucoil'). October 2021,

September 2021, According to the press release, the Fraunhofer Institute and European partners have been looking for environmentally friendly alternatives as part of the NewHyPe project.

Global Radiation Curable Coating Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Silicate Coatings Market by segmenting based on Type (Pure Silicate Paints, Dispersion Silicate, Sol-Silicate Paints, Zinc Silicate Paints), Binding Agents (Inorganic, Organic), End-User Industry (Construction, Transportation, Industrial), and

Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report evaluates the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, development, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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