

# **China Construction Chemicals Market By Product Type (Concrete Admixture, Waterproofing & Roofing, Repair, Flooring, Adhesive & Sealants, Others), By Application (Residential, Commercial, Industrial), By Region, and Competition, Forecast and Opportunities, 2028F**

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## **Abstracts**

China Construction Chemicals market is anticipated to grow at a significant rate in the projected period of 2028. Moreover, China creates the highest revenue from its chemical industry in the world, which is 43% of global trade. China is the global leader in chemical exports, with an annual export value of over 72 billion U.S. dollars.

Construction chemicals refer to a broad range of specialty chemicals used in the construction industry to enhance the performance, durability, and aesthetic qualities of buildings and other structures. These chemicals are designed to improve the properties of building materials such as concrete, mortar, cement, and asphalt. In China's building industry, construction chemicals are widely used in various applications, such as Concrete admixtures, which are a type of chemical additive that is added to concrete mixtures to improve their workability, strength, durability, and resistance to moisture and chemical attack. As a waterproofing agent, these chemicals can protect buildings from water penetration by creating a waterproof barrier on the surface of walls, roofs, and other structures.

The Chinese construction chemical market is highly fragmented, with several domestic and international players operating in the market. The domestic players account for a significant share of the market, owing to their cost advantages and strong distribution networks. International players are present in the market and are competing based on

their technological advancements and product quality. The construction chemical market in China is highly competitive, with several players operating in the market. Hence, companies are focusing on product innovation, technological advancements, and strategic partnerships to gain a competitive edge in the market.

Waterproofing chemicals, sealants and adhesives, protective coatings, and flooring and decorative coatings are the other major segments in the Chinese construction chemical market. These chemicals are used in various applications, such as waterproofing roofs and walls, bonding and sealing joints between building materials, protecting surfaces from corrosion and weathering, and enhancing the aesthetic appeal of buildings.

Furthermore, the Chinese government has taken several initiatives to promote the use of construction chemicals in the country. In 2021, China allocated a quota of USD 573 billion in SPBs for local governments, of which 97 percent had been issued by December 15, 2021. All the funds raised through the issuance of special-purpose bonds were used in “key areas determined by the Party Central Committee and the State Council.” The government has implemented strict regulations regarding the use of hazardous chemicals in construction, which has led to the development of eco-friendly and sustainable construction chemicals propelling the market growth.

**Rapid Urbanization and Infrastructure Development is Key Factor Driving the Construction Chemical Market Growth** Rapid urbanization and infrastructure development in China have a significant impact on the construction chemical market. As the construction industry in China continues to grow rapidly, the demand for construction chemicals increases. This demand is driven by the need for high-quality and durable building materials to support the development of infrastructure and commercial buildings. China’s infrastructure investment grew by 4.9 percent in 2021, compared to 2.9 percent growth in 2020.

One of the major drivers influencing the construction chemical market is an increase in demand for concrete admixtures. Concrete is a primary building material used in the construction industry, and the demand for high-performance concrete is growing due to the need for durable and long-lasting structures. Concrete admixtures are used to improve the strength, workability, and durability of concrete, making it more resistant to environmental factors such as weathering, corrosion, and chemical attack. Another effect of rapid urbanization and infrastructure development on the construction chemical market is an increase in demand for waterproofing agents, sealants, and adhesives. These products are used to protect building materials from water damage, which is particularly important for buildings and infrastructure projects in areas prone to flooding

and heavy rainfall.

Furthermore, rapid urbanization and infrastructure development have led to an increase in demand for protective coatings for bridges, tunnels, highways, and other infrastructure projects. Protective coatings help to prevent corrosion and weathering, which can lead to structural damage and reduce the lifespan of the infrastructure. Finally, rapid urbanization and infrastructure development have led to an increased focus on sustainable building materials and green buildings. The demand for eco-friendly and energy-efficient construction chemicals is growing as developers and builders seek to reduce the environmental impact of their projects and comply with government regulations. Therefore, rapid urbanization and infrastructure development in China have a significant impact on the construction chemical market. The demand for high-quality and durable building materials, waterproofing agents, sealants, adhesives, and protective coatings is increasing, and the market is seeing a growing demand for sustainable and eco-friendly construction chemicals. As China continues to develop its infrastructure and urban areas, the construction chemical market is expected to continue to grow and evolve to meet the changing needs of the construction industry.

**Increasing Demand for Sustainable Construction Materials is influencing Market Growth.**

The increasing demand for sustainable construction materials in China has a significant impact on the construction chemicals market in the country. The trend towards sustainable building materials is being driven by a growing awareness of environmental issues and the need to reduce carbon emissions in the construction industry. As a result, the demand for eco-friendly and energy-efficient construction chemicals is growing.

One of the main reasons for the growing trend of the construction chemicals market in China is an increase in demand for green concrete admixtures. These admixtures are used to improve the sustainability of concrete by reducing its carbon footprint and improving its energy efficiency. Green concrete admixtures can help to reduce the amount of cement needed in concrete mixtures, which is one of the main contributors to the carbon footprint of the construction industry.

The trend towards sustainable construction materials in the construction chemicals market in China is an increase in demand for eco-friendly waterproofing agents, sealants, and adhesives. These products are being developed to be more sustainable and less harmful to the environment while providing the necessary protection for

building materials. Furthermore, the trend toward sustainable construction materials is driving innovation in the development of construction chemicals. Companies are investing in research and development to create new, eco-friendly products that can meet the growing demand for sustainable building materials. Some local Chinese companies have launched new products in the market. For example, the chemical company Henan Botai Chemical Building Materials Co. Ltd. recently launched a new range of dry-mix mortar additives. The additives are designed to improve the bonding strength, water resistance, and workability of mortars used in construction. Hence all these factors are expected to propel the demand for China Construction Chemical Market growth.

Rising Technological Advancement is helping Construction Chemicals Market Growth.

Technological advancements have a significant impact on the construction chemicals market in China. The adoption of new technologies is helping to improve the performance, quality, and efficiency of construction chemicals, making them more attractive to developers, builders, and contractors. Such as:

**Improved Manufacturing Processes:** The use of advanced manufacturing processes, such as automation and robotics, is helping to improve the efficiency of production and reduce costs. This is making it easier for manufacturers to produce high-quality construction chemicals at a lower cost, which is helping to increase demand for these products in China.

**New Materials:** Technological advancements are leading to the development of new materials that are more durable and have better performance characteristics. For example, nanotechnology is being used to create construction chemicals with superior strength and durability, which makes them more attractive to developers and builders.

**Digitalization:** The use of digital technologies, such as big data, the Internet of Things, and artificial intelligence, is helping to improve the efficiency of construction projects. These technologies are being used to optimize construction chemical usage, monitor project progress, and reduce waste, which is leading to increased adoption of construction chemicals in China.

**Environmental Sustainability:** Technological advancements are helping to create more sustainable construction chemicals that are less harmful to the environment. For example, green chemistry techniques are being used to create construction chemicals that are biodegradable and have a reduced carbon footprint.

## Market Segmentation

China Construction Chemicals Market is segmented based on product type, application, and region. Based on the product type, the market is divided into concrete admixture, waterproofing & roofing, repair, flooring, adhesive & sealants, and others. Based on the application, the market is divided into residential, commercial, and industrial.

## Company Profiles

Sinopec Shanghai Petrochemical Co Ltd, Aramco Far East (Beijing) Business Services Company Limited, PetroChina Company Limited, Sidley Chemical Co., Ltd, and Zibo JOYREACH New Materials Co., Ltd are some of the key players in China Construction Chemicals Market.

## Report Scope:

In this report, China construction chemicals market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

### China Construction Chemicals Market, By Product Type:

Concrete Admixture

Waterproofing & Roofing

Repair

Flooring

Adhesive & Sealants

Others

### China Construction Chemicals Market, By Application:

Residential

Commercial

Industrial

China Construction Chemicals Market, By Region:

East China

North & North-East China

Southwest China

South-Central China

Northwest China

Competitive landscape

Company Profiles: Detailed analysis of the major companies in China construction chemicals market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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