

Global Construction Chemicals Market Size to Reach \$83.2 Billion by 2030: Latest Report by Vantage Market Research

Construction Chemicals Market Size, Share, Industry Trends, Growth, and Opportunities Analysis by 2032.

GEORGIA AVENUE, WASHINGTON, DC, UNITED STATES, January 10, 2024

[/EINPresswire.com/](https://www.einpresswire.com/) -- Construction chemicals are substances that are added to construction materials, such as cement, concrete, mortar, and plaster, to improve their performance, durability, and aesthetics. Construction chemicals can also provide protection against environmental factors, such as moisture, corrosion, fire, and UV radiation. Construction chemicals can be classified into various types, such as concrete admixtures, surface treatments, repair and rehabilitation, protective coatings, industrial flooring, waterproofing, adhesives, sealants, grouts and anchors, and cement grinding aids.



Vantage Market Research
Report for Construction
Chemicals Market- A Closer
Look at the Future of
Construction Chemicals”
Vantage Market Research

The Global [Construction Chemicals Market](#) size was valued at USD 41.9 Billion in 2022 and is expected to grow at a compound annual growth rate (CAGR) of 10.3% from 2023 to 2030, is projected to reach USD 83.2 Billion by 2030. The market growth is driven by the increasing demand for construction chemicals from the building and construction industry, especially in emerging economies, such as China, India, Brazil, and South Africa. The rising urbanization,

industrialization, and infrastructure development, along with the growing awareness and adoption of green and sustainable construction practices, are some of the factors that are boosting the demand for construction chemicals. However, the market also faces some challenges, such as the high cost of raw materials, the stringent environmental regulations, and the lack of skilled labor.

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The building and construction industry is the largest end-user of construction chemicals, accounting for more than 80% of the market share in 2020. The demand for construction chemicals from this industry is driven by the increasing construction activities, especially in the residential, commercial, and infrastructure sectors, across the world. Construction chemicals can enhance the quality, strength, and durability of the construction materials, as well as reduce the construction time and cost. Construction chemicals can also help achieve the desired architectural and aesthetic features, such as color, texture, and finish, of the buildings and structures.

The adoption of green and sustainable construction practices is another factor that is driving the demand for construction chemicals. Green and sustainable construction refers to the design, construction, and operation of buildings and structures that minimize the negative environmental impact and maximize the positive social and economic impact. Construction chemicals can play a vital role in green and sustainable construction, by reducing the energy consumption, water usage, waste generation, and [greenhouse](#) gas emissions of the buildings and structures. Construction chemicals can also help improve the indoor air quality, thermal comfort, and health and safety of the occupants. Moreover, construction chemicals can also support the use of renewable and recycled materials, such as fly ash, slag, and plastic waste, in the construction industry.

The construction chemicals market is also witnessing continuous innovation and development of new products, such as nanomaterials, biobased materials, and smart materials, that can offer superior performance, functionality, and sustainability. Nanomaterials are materials that have at least one dimension in the nanoscale, which is between 1 and 100 nanometers. Nanomaterials can enhance the properties and performance of construction chemicals, such as strength, durability, self-healing, self-cleaning, and self-sensing. Biobased materials are materials that are derived from renewable and natural sources, such as plants, animals, and microorganisms. Biobased materials can offer environmental benefits, such as biodegradability, carbon neutrality, and reduced toxicity. Smart materials are materials that can respond to external stimuli, such as temperature, pressure, light, and electric field, and change their properties and behavior accordingly. Smart materials can provide intelligent and adaptive functions, such as shape memory, color change, and energy harvesting.

Key players in the construction chemicals market include:

- Rudolf Group (Germany)
- BASF SE (Germany)
- Muehringer (Germany)

- Dow Chemical (U.S.)
- Wacker Chemie AG (Germany)
- Henkel AG & Company KGaA (Germany)
- Knopp GmbH (Germany)
- Normet (Finland)
- Avery Dennison (U.S.)
- Eastman Chemical (U.S.)
- Pidilite Industries (India)

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□ The construction chemicals market is expanding in emerging markets, such as Asia-Pacific, Latin America, and the Middle East and Africa, where the prevalence of aortic stenosis is increasing and the awareness and availability of TAVR is improving. The market players are entering these regions through partnerships, acquisitions, and product launches. For example, in 2020, Edwards Lifesciences entered into a strategic partnership with China Grand Pharmaceutical and Healthcare Holdings Limited, to expand its presence in China. In 2019, Medtronic acquired Titan Medical, a company that provides TAVR services in India. In 2018, Boston Scientific launched its Lotus Edge transcatheter heart valve in Brazil and the Middle East.

□ The construction chemicals market is moving towards personalization, which involves tailoring the products and services to the individual customer's needs, preferences, and characteristics. Personalization of construction chemicals can enhance the customer satisfaction, loyalty, and retention, as well as the profitability and competitiveness of the market players. Personalization of construction chemicals can be achieved by using data analytics, artificial intelligence, and [machine learning](#), to understand the customer's behavior, preferences, and feedback, and to offer customized solutions, such as product recommendations, pricing, and promotions. Personalization can also be facilitated by using digital platforms, such as websites, mobile apps, and social media, to interact with the customers and provide them with personalized content, offers, and support.

□ The construction chemicals market is also integrating with digital technologies, such as internet of things (IoT), cloud computing, big data, and blockchain, to improve the efficiency, quality, and transparency of the products and services. Digital technologies can help optimize the production, distribution, and application of construction chemicals, by enabling real-time monitoring, data collection, analysis, and communication. Digital technologies can also help enhance the traceability, security, and compliance of construction chemicals, by using blockchain, smart contracts, and digital signatures, to record and verify the transactions and

information along the supply chain.

Global Construction Chemicals Market Size, Share, and Outlook 2022-2030 @ <https://www.vantagemarketresearch.com/buy-now/construction-chemicals-market-0922/0>

Global Construction Chemicals Market

□ The global construction chemicals market size was valued at USD 41.9 Billion in 2022 and is expected to grow at a CAGR of 10.3% from 2023 to 2030, reaching USD 83.2 Billion by 2030.

□ The concrete admixtures segment accounted for the largest share of the construction chemicals market in 2022, owing to its wide application, high demand, and diverse benefits, such as improved workability, strength, durability, and resistance of concrete.

□ The residential sector was the largest end-user of construction chemicals in 2022, followed by the commercial and infrastructure sectors. The residential sector is expected to maintain its dominance during the forecast period, due to the increasing population, urbanization, and housing demand, especially in emerging economies.

□ The Asia-Pacific region was the largest market for construction chemicals in 2022, followed by Europe and North America. The Asia-Pacific region is expected to witness the highest growth rate during the forecast period, due to the rapid development of the building and construction industry, especially in China, India, Japan, and Southeast Asia.

□ The construction chemicals market is moderately competitive and fragmented, with the presence of several global and regional players. Some of the key players in the market are Evonik Industries AG (Germany), H.B. Fuller (U.S.), WR Grace & Company (U.S.), Saint-Gobain S.A. (U.S.), Ashland Chemical (U.S.), Albemarle Corp. (U.S.), Huntsman Corporation (U.S.), RPM International (U.S.), AkzoNobel Chemicals (Netherlands), 3M Company (U.S.), Sika Group (Switzerland), Fosroc Chemicals (India), KÄ-STER, Tremco Group (U.S.), Arkema (France), Royal Adhesives & Sealants (U.S.), LORD Corp. (U.S.), MAPEI SPA (Italy), Tata Chemicals (India), Thermax Global (India), Bostik SA (France), Illinois Tool Works Inc. (U.S.), Rudolf Group (Germany), BASF SE (Germany), Muehringer (Germany), Dow Chemical (U.S.), Wacker Chemie AG (Germany), Henkel AG & Company KGaA (Germany), Knopp GmbH (Germany), Normet (Finland), Avery Dennison (U.S.), Eastman Chemical (U.S.), Pidilite Industries (India) among others.

Global Construction Chemicals Market

□ The construction chemicals market is dependent on the availability and price of raw materials, such as petrochemicals, minerals, and metals, which are used to produce construction chemicals. However, the raw materials are subject to fluctuations in supply and demand, as well as geopolitical and environmental factors, which can affect their availability and price. The high

cost of raw materials can increase the production cost and reduce the profit margin of the market players, as well as the affordability of the customers.

□ The construction chemicals market is subject to stringent environmental regulations, which aim to protect the environment and human health from the potential hazards of construction chemicals. The regulations can vary from region to region, and can impose restrictions on the production, distribution, and application of construction chemicals, such as the emission limits, waste management, labeling, and reporting requirements. The regulations can also affect the demand and preference of the customers, who may opt for more eco-friendly and compliant products. The compliance with the regulations can increase the operational cost and complexity of the market players, as well as the risk of penalties and lawsuits.

□ The construction chemicals market requires skilled labor, such as chemists, engineers, technicians, and applicators, who have adequate knowledge and experience in the production, distribution, and application of construction chemicals. However, there is a lack of skilled labor in some regions, especially in emerging markets, where the education and training systems are inadequate or insufficient. The lack of skilled labor can affect the quality, efficiency, and safety of the products and services, as well as the innovation and development of the market players.

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□ The construction chemicals market is witnessing the emergence of green and bio-based construction chemicals, which are derived from renewable and natural sources, such as plants, animals, and microorganisms. Green and bio-based construction chemicals can offer environmental benefits, such as biodegradability, carbon neutrality, and reduced toxicity. They can also meet the growing demand for eco-friendly and compliant products from the customers and regulators. Some examples of green and bio-based construction chemicals are lignin-based admixtures, cellulose-based coatings, and algae-based sealants.

□ The construction chemicals market is also integrating with digital technologies, such as internet of things (IoT), cloud computing, big data, and blockchain, to improve the efficiency, quality, and transparency of the products and services. Digital technologies can help optimize the production, distribution, and application of construction chemicals, by enabling real-time monitoring, data collection, analysis, and communication. Digital technologies can also help enhance the traceability, security, and compliance of construction chemicals, by using blockchain, smart contracts, and digital signatures, to record and verify the transactions and information along the supply chain.

□ The construction chemicals market is expanding in emerging markets, such as Asia-Pacific, Latin America, and the Middle East and Africa, where the construction industry is growing

rapidly, driven by the increasing population, urbanization, and infrastructure development. The market players are entering these regions through partnerships, acquisitions, and product launches, to capture the untapped potential and increase their market share. For instance, in 2020, BASF SE acquired Solvay's polyamide business, which includes a construction chemicals plant in Thailand. In 2019, Sika AG acquired Parex Group, a leading manufacturer of construction chemicals in China, Brazil, and Mexico. In 2018, W.R. Grace & Co. opened a new construction chemicals plant in Egypt.

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- Q. What are the major product segments within the construction chemicals market, and which ones are expected to witness the fastest growth?
- Q. Which regions are driving the global market, and what are the key factors influencing their growth?
- Q. How are technological advancements and sustainability trends impacting the landscape of construction chemicals?
- Q. What are the major challenges faced by the market, and how can they be addressed?
- Q. What are the potential growth opportunities for construction chemicals manufacturers and suppliers?
- Q. What is the competitive landscape of the market, and who are the key players?
- Q. What are the future growth projections for the construction chemicals market?

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North America, a mature market in the construction chemicals landscape, is projected to grow steadily from 2023 to 2030. The region's focus on infrastructure renewal, coupled with increasing investments in green building initiatives, is driving the demand for sustainable construction chemicals. Additionally, the growing adoption of advanced technologies like prefabrication and BIM is creating new opportunities for specialized chemical solutions. However, factors like stringent environmental regulations and skilled labor shortages pose challenges for the market's expansion.

The construction chemicals market is poised for sustained growth in the coming years, fueled by a potent cocktail of urbanization, technological advancements, and sustainability concerns. By overcoming the existing challenges and capitalizing on the emerging opportunities, this dynamic market can pave the way for a future where our built environment is not just strong and resilient, but also environmentally conscious and technologically advanced.

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- Oilfield Chemicals Market: <https://www.vantagemarketresearch.com/industry-report/oilfield-chemicals-market-2364>
- Renewable Chemicals Market: <https://www.vantagemarketresearch.com/industry-report/renewable-chemicals-market-2278>
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