

Indonesia Construction Chemicals Market By Type (Concrete Admixtures, Waterproofing Chemicals, Flooring Compounds, Repair & Rehabilitation, Adhesives & Sealants, and Others), By End User (Commercial, Industrial, Residential), By Region, Competition, Forecast and Opportunities, 2019-2029F

Market Report | 2024-12-13 | 83 pages | TechSci Research

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Report description:

Indonesia Construction Chemicals Market was valued at USD 886.25 million in 2023 and is anticipated to project steady growth in the forecast period with a CAGR of 4.98% through 2029. The construction chemicals market encompasses a diverse range of products, including resins, cement additives, and coatings, essential for enhancing the durability, strength, and aesthetics of structures. Resins facilitate long-lasting adhesion between construction materials, while cement additives improve concrete workability and performance, resulting in stronger buildings. Also, chemicals used in paints and coatings provide protection against weathering, moisture, and UV radiation, preserving building aesthetics.

A key driver of market growth is the increasing demand for quality infrastructure and residential spaces driven by Indonesia's economic expansion. Construction chemicals play a pivotal role in meeting these demands by ensuring high-quality, durable, and visually appealing buildings. For example, specialized chemicals enhance fire resistance, structural integrity, and acoustic insulation in high-rise buildings, prioritizing occupant safety and comfort.

Despite growth opportunities, the market faces challenges related to environmental concerns and sustainability. Companies are responding by investing in research and development to create eco-friendly products. Emphasis is placed on reducing VOC content in construction chemicals to improve indoor and outdoor air quality. Additionally, sustainable alternatives are being developed, promoting biodegradability and energy efficiency in building construction. Indonesia's construction chemicals market is poised for growth due to factors like industrialization and increasing disposable income. Continued investment in research and development, coupled with a focus on sustainability, will drive further market expansion. The industry's contribution to developing a robust and sustainable built environment in Indonesia aligns with the country's evolving needs and economic growth aspirations.

Key Market Drivers

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Growth in Construction Industry

Construction chemicals play a pivotal role in the building process, enhancing durability, strength, and aesthetic appeal while ensuring long-term performance and sustainability. These chemicals encompass a wide array of products, including resins, cement additives, and specialty chemicals tailored for the real estate sector. A key driver of the remarkable growth in Indonesia's construction chemicals market is the increasing market share of organized construction chemical companies, currently holding approximately 80% of the market. This dominance reflects a well-structured and robust industry poised for further expansion and innovation.

Also, the market's growth is fueled by the escalating demand for high-quality infrastructure and residential spaces in Indonesia. As the country's economy flourishes, the necessity for durable and visually appealing buildings becomes increasingly vital.

Construction chemicals are essential in meeting these demands by ensuring building longevity and visual appeal, establishing them as integral components of the construction process.

Despite positive prospects, the construction chemicals market faces challenges, particularly regarding environmental concerns and the urgent need for sustainable practices in the construction industry. However, industry players are proactively addressing these challenges by investing in research and development to develop eco-friendly products and adopting sustainable practices across the value chain. By doing so, the market is well-positioned to surmount these obstacles and sustain its growth trajectory, contributing to a greener and more sustainable built environment. Indonesia's construction industry growth is driving significant expansion in the country's construction chemicals market. With a robust industry structure, increasing demand for quality infrastructure, and opportunities stemming from global trends, the future holds promise for this dynamic and evolving market.

Surge in Technological Advancements

Technology plays a crucial and indispensable role in modern construction processes, particularly in the production and application of construction chemicals. Advanced technologies such as nanotechnology, biotechnology, and green chemistry have revolutionized the production of construction chemicals, leading to the development of more efficient, eco-friendly, and high-performance products reshaping the construction industry.

These cutting-edge technologies have significantly enhanced the efficiency of construction processes. The integration of digital tools and sophisticated software for project management, planning, and quality control has become increasingly prevalent in construction projects. These advancements streamline construction chemical utilization, reduce wastage, and enhance overall productivity, resulting in cost savings and improved project outcomes.

In today's landscape of growing environmental concerns and stringent regulations, sustainable practices are imperative in the construction industry. Technology emerges as a crucial enabler in addressing these challenges. For instance, the adoption of green chemistry in construction chemical production has led to reduced carbon emissions and less hazardous waste generation, fostering a greener and more sustainable construction ecosystem. Research and Development (R&D) activities play a pivotal role in driving technological advancements in the construction chemicals market. Companies in Indonesia's construction sector are heavily investing in R&D initiatives to develop innovative and sustainable solutions aligned with industry demands. These investments are crucial for fostering continuous innovation and maintaining competitiveness.

The integration of technology in the construction chemicals industry is not a passing trend; it is a necessity for future growth and development. As the demand for high-quality infrastructure rises alongside tightening environmental regulations, the need for technologically advanced and sustainable construction chemicals will persistently increase. Embracing technology is imperative for industry players aiming to thrive in the evolving landscape. The proliferation of technological advancements is a significant driver of growth in Indonesia's construction chemicals market. As the industry embraces and leverages technology, it can anticipate increased efficiency, improved sustainability, and the construction of high-quality infrastructure fostering economic development and societal progress.

Key Market Challenges

Complexities Associated with Transportation and Logistics

The logistics sector plays a pivotal role in the construction chemicals market by facilitating the timely and efficient delivery of products from manufacturers to construction sites. This is particularly critical for construction chemicals due to their susceptibility to environmental conditions and limited shelf lives.

Also, the logistics sector encounters various challenges that can impede the smooth operation of the construction chemicals

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market. In many regions of Indonesia, inadequate infrastructure for efficient transportation and logistics exists. This encompasses not only physical infrastructure like roads and ports but also technological infrastructure for digital tracking and delivery management.

Regulatory hurdles also present a significant challenge in chemical transportation. Stringent regulations are in place to ensure safety and environmental protection, but compliance with these regulations can be intricate and costly, exacerbating overall logistical challenges.

Another obstacle is the absence of a 'digital culture' within the logistics sector. While digital tools and technologies have the potential to greatly enhance efficiency and transparency in logistics, many companies have been slow to adopt them. This reluctance can result in inefficiencies, errors, and delays, all of which can negatively impact the construction chemicals market. Addressing these challenges and investing in requisite infrastructure, regulatory compliance, and digital transformation can significantly enhance the efficiency and effectiveness of the logistics sector in the construction chemicals market. By doing so, timely delivery of high-quality construction chemicals can be ensured, ultimately benefiting the entire industry.

Key Market Trends

Surge in Rapid Urbanization

Urbanization represents more than just a demographic shift; it embodies a complex process involving significant changes in social, economic, and environmental landscapes. In Indonesia, rapid urbanization has led to a substantial growth of urban areas, resulting in an increasing demand for residential and commercial spaces. This surge in urban development has driven remarkable growth in the construction chemicals market.

A primary driver of the construction chemicals market is the growing demand for high-performance construction materials. As cities expand and buildings rise, there's a heightened need for durable, efficient, and environmentally friendly construction materials. This demand has created a robust market for construction chemicals, crucial for enhancing the strength, durability, and aesthetic appeal of structures. Construction chemicals are widely utilized in various facets of urban infrastructure development, including concrete admixtures, waterproofing, sealants, adhesives, and protective coatings. With urbanization accelerating, the demand for these products is expected to significantly increase.

In tandem with rapid urbanization, there's a rising trend toward green and sustainable practices in the construction industry. This trend has sparked a growing interest in eco-friendly construction chemicals, providing manufacturers with ample opportunities to innovate and develop products aligning with this market preference.

By addressing the evolving needs of urbanization and embracing sustainable construction practices, the construction chemicals industry is poised for continued growth and advancement in the foreseeable future.

Segmental Insights

Type Insights

Based on the category of type, the concrete admixtures segment emerged as the dominant player in the Indonesia market for Construction Chemicals in 2023. As Indonesia's construction sector continues to expand and thrive, there is an ever-increasing demand for durable and high-performance materials that can withstand the test of time. Concrete admixtures play a crucial role in meeting this demand by enhancing the properties of concrete in multiple ways.

These innovative additives not only improve the workability of concrete but also enhance its strength, making it more resistant to weathering and other external factors. With their remarkable ability to enhance durability, concrete admixtures have become indispensable in the construction process, finding widespread use in a wide range of construction projects.

Also, the rapid pace of urbanization in Indonesia further amplifies the significance of concrete admixtures. As more and more people migrate to urban areas, the demand for residential and commercial buildings continues to surge. This surge in construction activities necessitates the use of construction materials that can ensure the creation of robust and long-lasting structures.

In this context, concrete admixtures emerge as a vital component in the pursuit of constructing buildings that can withstand the challenges of urban environments. By adding an extra layer of longevity and resilience, these admixtures contribute to the creation of structures that can withstand the test of time, fulfilling the growing needs and aspirations of Indonesia's urban landscape.

Regional Insights

Sumatra emerged as the dominant region in the Indonesia Construction Chemicals Market in 2023, holding the largest market

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share in terms of value. The main reasons for Sumatra's dominance in the market of construction chemicals is its strategic position as the country's center of production and processing. Situated in a prime location, Sumatra has easy access to raw materials and transportation networks, enabling efficient production and distribution of a wide range of construction chemicals. The island's well-established industrial base, equipped with state-of-the-art facilities, further supports the production of high-quality construction chemicals on a large scale.

Also, Sumatra is currently experiencing rapid infrastructure development to meet the growing demands of its expanding economy. This development includes the construction of new roads, bridges, buildings, and other infrastructure projects. As a result, the demand for construction chemicals on the island is expected to soar, as these chemicals play a crucial role in ensuring the durability, safety, and efficiency of structures.

With the increasing number of construction projects taking place in Sumatra, the demand for construction chemicals is projected to witness a significant surge. This trend not only solidifies Sumatra's position in the market but also presents promising opportunities for further growth and innovation in the construction chemical industry on the island.

Key Market Players

- Sika Indonesia
- PT BASF Indonesia
- Fosroc Indonesia
- PT Bostik Indonesia
- PT Pidilite Indonesia
- PT Mapei Indonesia Construction Products
- Saint Gobain Indonesia
- PT. Deltacretindo Wira Mandiri
- PT. Normet Indonesia
- PT. Kimia Konstruksi Indonesia

Report Scope:

In this report, the Indonesia Construction Chemicals Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

□□ Indonesia Construction Chemicals Market, By Type:

- o Concrete Admixtures
- o Waterproofing Chemicals
- o Flooring Compounds
- o Repair & Rehabilitation
- o Adhesives & Sealants
- o Others

□□ Indonesia Construction Chemicals Market, By End User:

- o Commercial
- o Industrial
- o Residential

□□ Indonesia Construction Chemicals Market, By Region:

- o Java
- o Sumatra
- o Kalimantan
- o Bali

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Indonesia Construction Chemicals Market.

Available Customizations:

Indonesia Construction Chemicals Market report 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:

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Company Information

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

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