

Dry-Mix Mortar Additives and Chemicals Market | Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 150 pages | Mordor Intelligence

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Report description:

The dry-mix mortar additives and chemicals market is valued at over 4200 kilotons in 2021 and is expected to register a CAGR greater than 5% during the forecast period(2022-2027).

Due to the COVID-19 outbreak, nationwide lockdown around the globe, disruption in manufacturing activities and supply chains, and production halts negatively impacted the market in 2020. However, the conditions started recovering in 2021, restoring the market's growth trajectory during the forecast period.

Key Highlights

The major factors driving the market studied are increasing construction activities in the United States and Asia-Pacific and long-term cost-effectiveness in the construction industry.

Over the forecast period, the re-dispersible polymer powder segment is expected to dominate the additives type in the dry-mix mortar additives and chemicals market.

Asia-Pacific represents the largest market and is also expected to be the fastest-growing market over the forecast period, owing to the increasing consumption from countries such as China, India, and Japan.

Dry-mix Mortar Additives & Chemicals Market Trends

Re-dispersible Polymer Powder Segment May Dominate the Market

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Re-dispersible powders are obtained by spray drying the corresponding aqueous polymer dispersions containing a redispersing agent while adding finely ground inorganic materials as anticaking agents. The re-dispersibility of the polymer powder is the most critical parameter to achieving mortar performances, like adhesion onto the substrate and abrasion resistance.

Re-dispersible polymer powder is the most important binder in cement- and gypsum-based dry powder material. Re-dispersible polymer powder is a spray-dried powder of polymer emulsion. It is re-emulsified with water and has the same properties as the original emulsion, i.e., a film can be formed after water evaporation. This film has high toughness, weather resistance, and adhesion to a substrate. In addition, the latex powder with hydrophobic properties can improve the waterproof performance of the waterproof mortar.

Performance of re-dispersible polymer powder in a dry mortar:

Improves the adhesion of dry mortar to various substrates and ensures the weather resistance of mortar bond strength under different conditions of use. For example, it can be used to improve the bond strength between mortar and EPS board, EPS particles, concrete walls, and brick walls in the thermal mortar.

Re-dispersible polymer powder can reduce the water absorption of the material, and the special hydrophobic latex powder effect is more pronounced. It reduces water and damage caused by water to the molded mortar.

Some re-dispersible polymer powders can improve sag resistance and fluidity of the mortar to improve the construction performance of the mortar.

Thus, the demand for the re-dispersible polymer powder segment will likely increase in the studied market.

Asia-Pacific to Dominate the Market

Asia-Pacific is expected to account for the largest share of the overall dry-mix mortar additives and chemicals market during the forecast period.

Currently, China and India are among the largest consumer of dry mix mortar, and these are the fastest-growing countries in terms of consumption of dry mix mortar worldwide.

China has the largest construction market in the world, encompassing 20% of all construction investments globally. China is expected to spend nearly USD 13 trillion on buildings by 2030. Additionally, the demographics in the country are expected to spur the growth of residential construction continually.

According to the National Development and Reform Commission, the Chinese government approved 26 infrastructure projects at an estimated investment of about USD 142 billion, which are estimated to be completed by 2023. The growing demand for housing is expected to drive residential construction in the public and private sectors.

Furthermore, India is also witnessing considerable investments in infrastructure projects, likely to provide massive demand for the market studied.

According to IBEF, in Union Budget 2021, the government allocated INR 233,083 crore (USD 32.02 billion) to enhance the transport infrastructure. The government expanded the 'National Infrastructure Pipeline (NIP)' to 7,400 projects. Around 217 projects worth INR 1.10 lakh crore (USD 15.09 billion) were completed in 2020.

Moreover, the availability of affordable housing in the country is expected to rise by over 70% by 2025. By 2022, India is expected to contribute about USD 640 billion to the construction industry due to government initiatives in infrastructure development and affordable housing, such as smart city plans. The growing construction activities in the country have been driving the demand for dry-mix mortar additives and chemicals.

Hence, owing to the aforementioned factors, the demand for dry-mix mortar additives and chemicals is expected to increase in Asia-Pacific over the forecast period rapidly.

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The dry-mix mortar additives and chemicals market is partly consolidated. The major companies in the market studied (not in any particular order) include Wacker Chemie AG, Dow, BASF SE, Evonik Industries AG, and Sika AG, among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Drivers
 - 4.1.1 Increasing Construction Activities in the United States and Asia-Pacific
 - 4.1.2 Long-term Cost-effectiveness in the Construction Industry
- 4.2 Restraints
- 4.3 Industry Value Chain Analysis
- 4.4 Porter's Five Forces Analysis
 - 4.4.1 Bargaining Power of Suppliers
 - 4.4.2 Bargaining Power of Consumers
 - 4.4.3 Threat of New Entrants
 - 4.4.4 Threat of Substitute Products and Services
 - 4.4.5 Degree of Competition

5 MARKET SEGMENTATION

- 5.1 Type
 - 5.1.1 Additives
 - 5.1.1.1 Redispersible Polymer Powder
 - 5.1.1.2 Plasticizers
 - 5.1.1.3 Defoamers
 - 5.1.1.4 Cellulose Ether
 - 5.1.1.5 Air Entraining Agents
 - 5.1.1.6 Other Additives
 - 5.1.2 Chemicals
 - 5.1.2.1 Shrinkage (Anhydrites)
 - 5.1.2.2 Retarders
 - 5.1.2.2.1 Na-citrate
 - 5.1.2.2.2 Na-tartrate
 - 5.1.2.2.3 Gypsum

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- 5.1.2.2.4 Phosphonate-based Retarders
- 5.1.2.3 Accelerators
 - 5.1.2.3.1 Li-carbonate
 - 5.1.2.3.2 Ca-carbonate
 - 5.1.2.3.3 Ca-nitrate
 - 5.1.2.3.4 CSH and CSA Accelerators
- 5.1.2.4 Other Chemicals
- 5.2 Geography
 - 5.2.1 Asia-Pacific
 - 5.2.1.1 China
 - 5.2.1.2 India
 - 5.2.1.3 Japan
 - 5.2.1.4 South Korea
 - 5.2.1.5 Rest of Asia-Pacific
 - 5.2.2 North America
 - 5.2.2.1 United States
 - 5.2.2.2 Canada
 - 5.2.2.3 Mexico
 - 5.2.3 Europe
 - 5.2.3.1 Germany
 - 5.2.3.2 United Kingdom
 - 5.2.3.3 Italy
 - 5.2.3.4 France
 - 5.2.3.5 Rest of Europe
 - 5.2.4 South America
 - 5.2.4.1 Brazil
 - 5.2.4.2 Argentina
 - 5.2.4.3 Rest of South America
 - 5.2.5 Middle-East
 - 5.2.5.1 Saudi Arabia
 - 5.2.5.2 South Africa
 - 5.2.5.3 Rest of Middle-East

6 COMPETITIVE LANDSCAPE

- 6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements
- 6.2 Market Share**/Ranking Analysis
- 6.3 Strategies Adopted by Leading Players
- 6.4 Company Profiles
 - 6.4.1 Ashland
 - 6.4.2 BASF SE
 - 6.4.3 CEMEX S.A.B. de CV
 - 6.4.4 Don Construction Products Ltd
 - 6.4.5 Dow
 - 6.4.6 Evonik Industries AG
 - 6.4.7 Mapei SpA
 - 6.4.8 Nouryon
 - 6.4.9 Sika AG

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- 6.4.10 The Euclid Chemical Company
- 6.4.11 Wacker Chemie AG
- 6.4.12 Zeiplast Chemical Industries Ltd
- 6.4.13 Zeiplast Chemical Industries Ltd
- 6.4.14 DCC

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

7.1 Increase in demand for Eco Friendly Construction

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