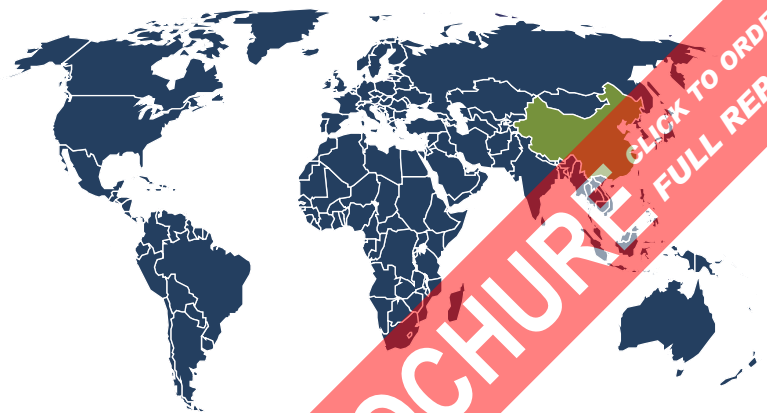




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# Cement & Concrete Additives: China

July 2019



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# About This Report

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## Scope

This report forecasts to 2023 cement and concrete additive (水泥和混凝土添加剂) demand in nominal US dollars at the manufacturer level in China. Total demand is segmented by product in terms of:

- chemicals
- minerals
- fibers

Total demand is also segmented by market as follows:

- building construction
- roads and bridges
- other markets such as airports, ports, and railways

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; the various segments are reported at five-year intervals for 2008, 2013, and 2018.

Products excluded from the scope of this report include minerals used as substitute cementitious materials in clinker and blended cement production.

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2018.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

## Sources

*Cement & Concrete Additives: China* (FC60050) is based on [Global Cement & Concrete Additives](#), comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications

## About This Report

- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

## Industry Codes

Table 5 | HS Codes Related to Cement & Concrete Additives

HS Code	Definition
2520.10	Gypsum; anhydrite
2618.00	Granulated slag (slag sand) from the manufacture of iron or steel
2620	Slag, ash and residues (other than from the manufacture of iron or steel), containing arsenic, metals or their compounds, other.
3204.17	Pigments and preparations based thereon
3906.90	Acrylic polymers in primary forms, other
7004.90	Other glass

Source: United Nations Statistics Division

## Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product

## About This Report

lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or  $r^2$ . The most stable data series relative to the trend carries an  $r^2$  value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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## Resources

### The Freedonia Group

*Global Cement & Concrete Additives*

### Freedonia Industry Studies

*Construction Chemicals in the US*

*Global Cement*

*Global Housing*

*Pipe: Products & Markets*

*Precast Concrete Products in the US*

### Freedonia Focus Reports

*Abrasives: China*

*Cement: China*

*Commercial Building Construction: United States*

*Construction Aggregates: United States*

*Construction: United States*

*Global Housing*

*Global Macroeconomy*

*Precast Architectural Building Components: United States*

*Precast Structural Building Components: United States*

### Freedonia Custom Research

### Trade Publications

*Concrete Construction*

*Concrete Products*

*Global Cement*

*Global Gypsum*

*International Construction*

*World Cement*

### Agencies & Associations

Asian Coal Ash Association

China Cement Association

International Monetary Fund

Portland Cement Association

Organisation for Economic Co-operation and Development

United Nations Comtrade

World Bank

World Cement Association