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US Collection

Precast Structural Building Components: United States

April 2022



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About This Report

Scope

This report forecasts to 2026 US precast structural building component demand in nominal US dollars at the manufacturer level. Total demand is segmented by product in terms of:

- precast concrete slabs
- prefabricated buildings
- structural supports
- foundations
- stairs, steps, ramps, & other

Total demand is also segmented by market as follows:

- commercial
- residential
- infrastructure

To illustrate historical trends, total demand is provided in annual series from 2011 to 2021; the various segments are reported at five-year intervals for 2011, 2016, and 2021.

Excluded from the scope of this report are site-poured concrete; concrete blocks, bricks, and pavers; and concrete pipe.

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

Precast Structural Building Components: United States (FF60082) is based on [Precast Concrete Products](#), a 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
- 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 | NAICS & SIC Codes Related to Precast Structural Building Components

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
327390	Other Concrete Product Manufacturing	3272	Concrete Products, NEC

Source: US Census Bureau

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 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

Precast Concrete Products

Freedonia Industry Studies

Bricks, Blocks, & Pavers

Fencing

Global Cement

Global Cement & Concrete Additives

Global Flooring

Global Hard Surface Flooring

Global Housing

Global Prefabricated Housing

Global Siding (Cladding)

Global Windows & Doors

Hard Surface Flooring

Hardscaping Products

Landscaping Products

Prefabricated Housing

Roofing

Roofing Accessories

Roofing Underlayment

Siding

Windows & Doors

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Cement & Concrete Additives: United States

Construction Aggregates: United States

Commercial Building Construction: United States

Construction Chemicals: United States

Construction: United States

Energy: United States

Housing: United States

Lime: United States

Mining & Quarrying: United States

Freedonia Custom Research

Trade Publications

Ascent

ASPIRE

The Concrete Producer

Concrete Products

Crossties

PCI Journal

Precast Inc.

Precast Solutions

Agencies & Associations

Architectural Precast Association

Cast Stone Institute

National Precast Concrete Association

Precast/Prestressed Concrete Institute

Railway Tie Association

Stormwater Equipment Manufacturers Association

United States Census Bureau

United States International Trade Commission