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# Precast Transport Infrastructure Products: United States

April 2022



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# About This Report

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## Scope

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

- bridge components
- pilings, caissons, and piers
- paving slabs and panels
- noise and traffic barriers
- railroad ties and crossing panels
- transportation retaining walls

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 Transport Infrastructure Products: United States (FF60083)* 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 4 | NAICS & SIC Codes Related to Precast Transport Infrastructure Products**

NAICS/SCIAN 2017 North American Industry Classification System		SIC 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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*Public Transport: United States*  
*Transport Equipment: 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