Precast Concrete Products

US Industry Study with Forecasts for 2020 & 2025

Study #3466 | October 2016 | $5200

Precast concrete products offer advantages over other materials

Precast concrete has several advantages over competing materials, such as metal and site-poured or cast-in-place concrete. Precast concrete products can be installed quickly (as curing has already been done at the plant), are made in factory-like settings that allow for more accurate and precise production than site-made components, and have longer lifespans than many competing materials. However, precast concrete products tend to be more costly, which limits more significant growth in demand.

Nonresidential building will continue to be largest market

Nonresidential building construction accounts for over half of demand. Nonresidential buildings are intensive users of precast structural building components, which are valued for their strength and uniformity, thus allowing structures to be built quickly. Many nonresidential structures also use precast architectural building components -- which can offer lower cost alternatives to decorative building products such as clay roof tiles and natural stone façades -- and other products such as grease interceptors and utility vaults. Ongoing robust advances in office and commercial construction as well as a healthy uptick in institutional construction will be the primary drivers of nonresidential building demand.

Residential market to register fastest growth

The ongoing rebound in new single-family home construction as well as continued elevated levels of multifamily home construction will spur growth in the residential market. Multifamily housing, which is often constructed in a manner similar to office and commercial buildings, commonly uses precast structural building components, while single-family houses may use precast architectural building components such as fencing and roofing tiles, as well as other products such as septic tanks.

Structural building components to remain largest product type

Among product types, structural building components make up the largest share of demand, at about two-fifths of the total; architectural building components account for the next largest share, at one-fifth of demand. Structural building components and water and waste handling products can expect the fastest rates of growth through 2020. Increases in residential and nonresidential building construction expenditures will be the most significant drivers of growth for both product categories.

Study coverage

This study analyzes the US market for precast concrete products. It presents historical demand data (2005, 2010 and 2015) plus forecasts (2020 and 2025) by product (architectural building components, structural building components, transportation, water and waste handling, other), market (nonresidential building, nonbuilding, residential building, agricultural) and region of the US. In addition, the study examines market environment factors, assesses the industry structure and evaluates company market share.

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STRUCTURAL BUILDING COMPONENTS

Precast Concrete Slabs

Precast concrete slabs accounted for the largest share of prec
concrete structural building components US demand in 2015 with
percent share of the market. These products, which can be made f
standard precast and prestressed concrete, see extensive use in a w
range of buildings as floor and roof units. Precast concrete slabs c
also be installed as weight-bearing exterior or interior walls in stru
especially those with large or heavy roofs that require additional s

Demand for precast concrete slabs saw robust advances in th
2000s before significantly contracting in line with the collapse in
ing construction spending during the economic recession. In the a
gate, demand declined between 2005 and 2010 as nonresidential b
construction spending and multifamily housing construction activ
declined steeply. Fewer structures were erected or remodeled dur
that time, ... cast concrete s
Additiona ... struction profe
als increas ... ss costly site-p
concrete i ... wall slabs. De
began to r ... n 2014 and 20
boosted b ... building const
and a stro ... ction.

SAMPLE TEXT

Dem ... to build on th
recovery, ... in 2020. In th
nonresidential market, ongoing robust gains in office and commercial
construction spending, as well as a return to growth in the institutional
market, will lead advances. Precast concrete slabs are often specified
for usage in office buildings, shopping malls, healthcare and educa
facilities, and other structures. Growth will also be boosted by inc
in nonresidential improvement and repair spending. As structures

TABLE IX-2

NONRESIDENTIAL BUILDING MARKET FOR PRECAST CONCRETE PRODUCTS (million dollars)

Item	2005	2010	2015	2020	2025
Nonresidential Building Constr (bil $)					
$ precast concrete/000$ construction					
Nonres Bldg Precast Concrete Demand					
By Product:					
Structural Building Components					
Architectural Building Components					
Other Products					
By Application:					
New					
Improvement & Repair					
% nonresidential					
Precast Concrete Products Demand					

SAMPLE TABLE

Source: The Freedonia Group

TABLE X-8

SOUTH PRECAST CONCRETE PRODUCTS DEMAND (million dollars)

Item	2005	2010	2015	2020	2025
South Construction Expenditures (bil $)					
$ precast concrete/000$ construction					
South Precast Concrete Products					
By Subregion:					
South Atlantic					
East South Central					
West South Central					
By Market:					
Nonresidential Building					
Nonbuilding					
Residential Building					
Agricultural					
% South					
Precast Concrete Products Demand					

SAMPLE TABLE

Source: The Freedonia Group

This study can help you:

- Determine your market & sales potential
- Learn more about industry competitors
- Assess new products & technologies
- Identify firms to merge with or acquire
- Complement your research & planning
- Gather data for presentations
- Confirm your own internal data
- Make better business decisions

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Related Studies

World Construction Aggregates

World demand for construction aggregates will rise 5.2 percent yearly to 51.7 billion metric tons in 2019. Crushed stone, recycled concrete, fly ash, and slag will rise at twice the pace of sand and gravel. Hydraulic concrete will remain the largest application. Gains will be fastest in the Asia/Pacific market. This study analyzes the 40.2 billion metric ton world construction aggregate market, with forecasts for 2019 and 2024 by product and application for six world regions and 22 major countries. The study also evaluates company market share and profiles industry players.

#3389................ March 2016.................. $6300

World Cement & Concrete Additives

Global demand for cement and concrete additives will rise 7.2 percent annually through 2019 to $24 billion. The Asia/Pacific region will remain the largest market, while the Africa/Mideast region and Central and South America will grow the fastest. Chemicals will remain the largest segment and will lead gains. This study analyzes the $17 billion world cement and concrete additive industry, with forecasts for 2019 and 2024 by type and market for six world regions and 21 major countries. The study also evaluates company market share and profiles industry players.

#3358............... January 2016 .... $6300

Fiber Cement

US demand for fiber cement products is forecast to grow 5.8 percent annually through 2019 to 2.9 billion square feet, valued at $2.2 billion. Siding will remain the dominant application, while backerboard grows the fastest. Growth in the dominant residential market will continue to outpace the nonresidential segment. This study analyzes the 2.2 billion square foot US fiber cement industry, with forecasts for 2019 and 2024 by material, application, market, and US region. The study also evaluates company market share and profiles industry players.

#3348............. December 2015 .... $5300

Outdoor Noise Barriers

Demand for outdoor noise barriers in the US is forecast to rise 3.7 percent annually to 9.5 million square feet in 2019, valued at $191 million. Concrete will remain the dominant material and will offer the best growth opportunities. Highways will remain by far the largest market, but will be outpaced by the building construction segment. This study analyzes the 7.9 million square foot US outdoor noise barrier industry, with forecasts for 2019 and 2024 by material, product, market and US region. The study also evaluates company market share and profiles industry players.

#3334.............September 2015.............. $5200

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Freedonia's methods

- Establishing consistent economic & market forecasts
- Using input/output ratios, flow charts & other economic methods to quantify data
- Employing in-house analysts who meet stringent quality standards
- Interviewing key industry participants, experts & end users
- Researching a proprietary database that includes trade publications, government reports & corporate literature

About The Freedonia Group

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