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Precast Concrete Products

US Industry Study with Forecasts for **2018 & 2023**

Study #3244 | January 2015 | \$5200 | 329 pages



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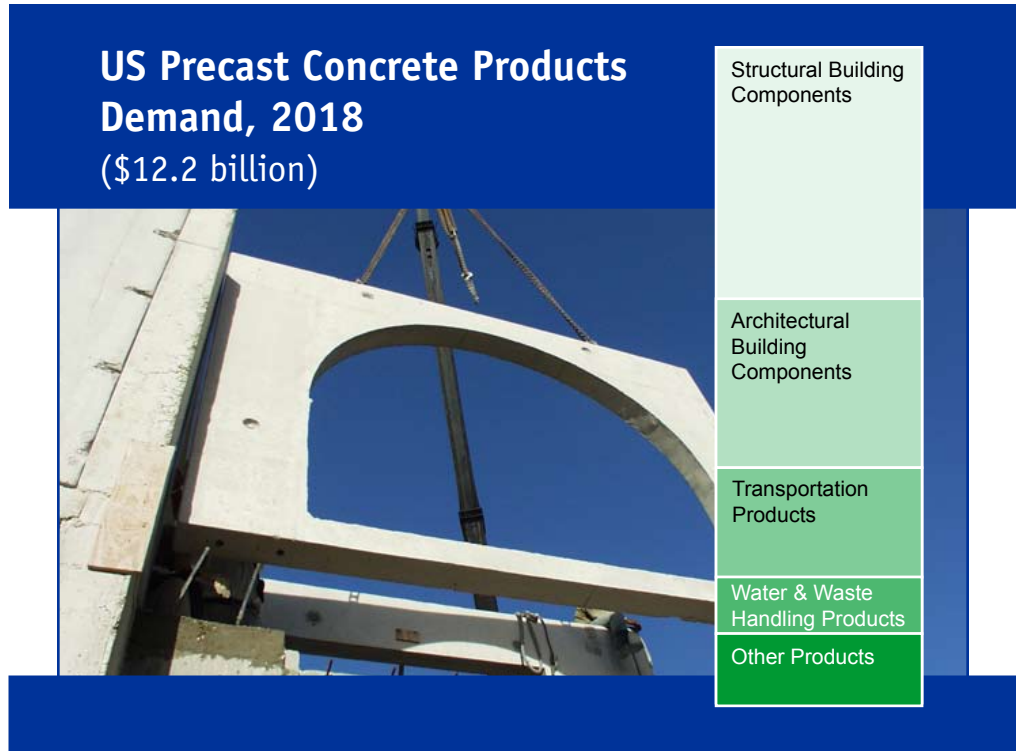
Demand will be boosted by the time, expense, and quality advantages of precast concrete over more established materials, such as site-poured ready-mix concrete and steel.

US demand to rise 6.4% annually through 2018

US demand for precast concrete products is forecast to rise 6.4 percent per year to \$12.2 billion in 2018, spurred by rebounding construction activity. Demand for precast concrete products will be boosted by their ability to reduce the time and expense of construction projects while also improving quality. This will enable precast concrete products to take market share from more established materials, such as site-poured ready-mix concrete and steel, often used in construction projects. Precast concrete components are more costly than building products made from site-poured concrete, steel, or wood, but often have longer lifespans and offer superior structural strength.

Nonresidential buildings to be fastest growing market

Nonresidential building construction applications accounted for the largest share of precast concrete products demand in 2013 and are expected to see the most rapid gains in demand going forward. Advances will be fueled by rebounding nonresidential building construction expenditures and rising interest in precast concrete products because of their performance properties, such as their ability to support the roofs of large-sized structures. Demand will also benefit from precast concrete products' ability to mimic building materials that are more expensive and



difficult to install, such as brick or natural stone. This characteristic will support the use of precast concrete decorative facades, siding, and door and window components.

The residential market for precast concrete is forecast to see above average annual growth through 2018. Strong gains in housing completions will spur demand for structural building components, while a more favorable lending environment will make it easier for homeowners to take out home equity loans to fund home improvement projects. This will boost demand for roofing tiles, siding, and fencing in improvement and repair projects.

Aging infrastructure to support nonbuilding uses

Demand for precast concrete products in the nonbuilding market is expected to rise modestly through 2018. Overall gains will be restrained by tepid growth in government spending, which will limit the funds available for infrastructure construction. However, advances will be supported by the need to repair the nation's aging network of bridges, highways, roads, water and sewer systems, and power distribution grids. Precast concrete products -- such as bridge components, paving slabs, and manholes -- are often specified due to their desirable performance properties.

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Sample Text, Table & Chart

PRODUCTS

Precast Foundations -- Demand for precast foundations advanced at a double-digit pace between 2003 and 2008, with sharp gains first in residential building construction and subsequently in nonresidential building construction. Precast concrete foundations demand grew 1.2 percent between 2007 and 2008, even as building construction spending dropped precipitously. By increasing use of precast foundations in the residential market, the vast majority of residential structural foundations are now of site-poured concrete. However, some builders and contractors continue to use precast foundations because of their enhanced strength and ability to reduce construction times.

Through 2018, precast concrete building foundations demand is forecast to rise nearly 10 percent to \$1.5 billion. Rebounding residential building construction will drive demand. In the residential market, continuing increases in precast concrete products to make basement walls will drive further advances. If site-poured concrete does not improve, the use of in-cement weather conditions or improper installation is likely to cause basements to leak or houses to show structural damage. Builders can be held liable for repairs and punitive damages. By installing precast foundations, builders can be sure that the concrete cured properly. Moreover, using precast concrete foundations can save time. Rather than wait for the concrete to cure, a work crew can install the foundation and then move on to the next construction task.

Increases in nonresidential building construction will also drive demand for precast concrete foundations. As buildings are expanded or renovated, foundations must be laid that can withstand the weight of new structures on top of them. Precast concrete foundations can be used to ensure that they meet the exacting specifications required by architects. Moreover, in some regions of the US, buildings must

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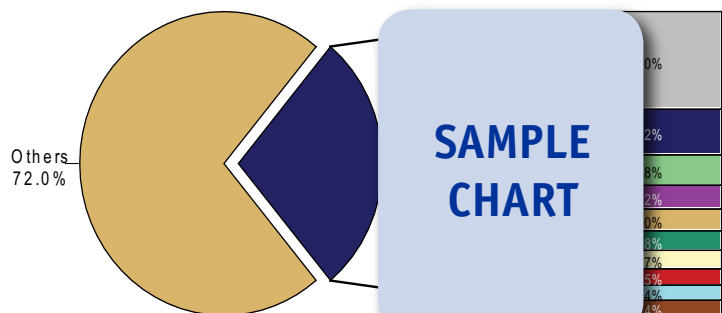
**SAMPLE
TEXT**

TABLE V-6
NORTHEAST PRECAST CONCRETE PRODUCTS DEMAND
 (million dollars)

Item	2003	2008	2013	2018	2023
Northeast Construction Expenditures (bil \$)	100	100	100	100	100
\$ precast concrete/000\$ construction	7.0	7.0	7.0	7.0	7.0
Northeast Precast Concrete Products					
By Subregion:					
New England					
Middle Atlantic					
By Market:					
Nonresidential Buildings					
Nonbuilding					
Residential					
Agricultural					
% northeast					
Precast Concrete Products Demand	8.0	8.0	8.0	8.0	8.0

**SAMPLE
TABLE**

CHART VI-1
US PRECAST CONCRETE PRODUCTS MARKET SHARE, 2013
 (\$8.9 billion)



**SAMPLE
CHART**

Sample Profile, Table & Coverage

COMPANY PROFILES

Fabcon Incorporated

6111 West Highway 13
 Savage, MN 55378
 952-890-4444
<http://www.fabcon.com>

Annual Sales:
 Employment:

Key Products:

Fabcon is a manufacturer of precast concrete wall panels for a wide range of nonresidential building applications. The Company also produces precast concrete blocks. Fabcon is privately held.

The Company produces concrete wall panels that incorporate foam cores, have fire ratings of up to four hours, and feature moisture resistance and sound-absorbing properties. Fabcon's concrete wall panels are suitable for a wide range of applications in the data center, commercial, retail, industrial, entertainment, government, transportation and highway, municipal, military, and education markets. Specific panels from Fabcon include VERSACORE+GREEN high-strength wall panels that regulate interior temperatures and reduce heating and cooling costs. Furthermore, the Company produces SENTRY-CAST columns and blocks used to construct retaining, sound, privacy, and security walls. SENTRY-CAST products feature an exterior finish that mimics natural rock. These products meet specifications set by the states of Ohio, Missouri, Iowa, Wisconsin, West Virginia, and South Dakota; and are approved by the Minnesota Department of Transportation and the Pennsylvania Department of Transportation.

**SAMPLE
PROFILE**

TABLE IV-2

NONRESIDENTIAL BUILDING PRECAST CONCRETE PRODUCTS DEMAND (million dollars)

Item	2003	2008	2013	2018	2023
Nonresidential Bldg Construction (bil \$)	2	2	2	2	2
\$ precast concrete/000\$ construction 1	1	1	1	1	1
Nonresidential Bldg Precast Concrete Prdts					
By Product:					
Structural Building Components					
Architectural Building Components					
Other Products					
By Application:					
New					
Improvement & Repair					
% nonresidential Precast Concrete Product Demand	8	8	8	8	8

**SAMPLE
TABLE**

STUDY COVERAGE

Precast Concrete Products is a Freedonia study that presents historical demand data (2003, 2008, 2013) plus forecasts (2018, 2023) by product, market, and region of the US. The study also considers key market environment factors, assesses the industry structure, evaluates company market share data and profiles 34 competitors in the US industry.

OTHER STUDIES

World Fiber Cement

This study analyzes the world fiber cement industry. It presents historical demand data (2004, 2009 and 2014) and forecasts (2019 and 2024) by product (e.g., siding, roofing), market (residential, nonresidential), application (new construction, improvement and repair), world region, and major country. The study also considers market environment factors, details industry structure, evaluates company market share, and profiles industry participants.
 #3273 April 2015 \$6300

Bricks, Blocks & Pavers

Demand for bricks, blocks and pavers in the US is forecast to rise 8.8 percent per annum from a low 2013 base to \$8.9 billion in 2018. Bricks, typically made of clay, will see the most rapid growth of any product, driven by a rebound in new housing construction. Pavers will be the second fastest growing type, driven in part by interest in "green" building materials such as permeable pavers. This study analyzes the \$5.8 billion US brick, block and paver industry, with forecasts for 2018 and 2023 by product, material, market, application and US region. The study also evaluates company market share and profiles industry players.
 #3236 November 2014 \$5200

World Drywall & Building Plaster

Global demand for drywall is forecast to rise 5.8 percent per year through 2018 to 10.4 billion square meters. Nearly three-fourths of new demand will be generated in China and the US. The nonresidential building market for drywall will outpace the housing segment. Building plaster will grow 4.5 percent annually to 35.4 million metric tons. This study analyzes the world drywall and building plaster industry, with forecasts for 2018 and 2023 by product, market, world region and for 20 countries. The study also evaluates company market share and profiles industry participants.
 #3186 July 2014 \$6300

World Cement & Concrete Additives

Global demand for cement and concrete additives will rise 9.3 percent annually to \$21.2 billion in 2017. All regions will post strong growth, while the Asia/Pacific region will remain the largest market. Chemical additives will post strong growth based in part on higher loadings and higher value products in developing areas. This study analyzes the \$13.6 billion world cement and concrete additive industry, with forecasts for 2017 and 2022 by type, market, world region, and for 21 countries. The study also evaluates company market share and profiles industry players.
 #3130 March 2014 \$6100

World Asphalt

World demand for asphalt is projected to rise 3.6 percent annually through 2017 from a weak 2012 base to 121 million metric tons. The Asia/Pacific region has overtaken North America as the largest regional market and will continue to record the fastest advances, driven primarily by strong growth in China and India. This study analyzes the 101.2 million metric ton world asphalt industry, with forecasts for 2017 and 2022 for primary asphalt, asphalt products, world regions and 24 countries. The study also evaluates company market share and profiles industry players.
 #3129 February 2014 \$6300

About The Freedonia Group

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- Automotive & Transport • Chemicals • Construction & Building Products • Consumer Goods • Energy & Petroleum • Industrial Components • Health Care & Life Sciences • Machinery & Equipment • Metals, Minerals & Glass • Packaging • Plastics & Other Polymers • Security • Services • Textiles & Nonwovens • Water Treatment

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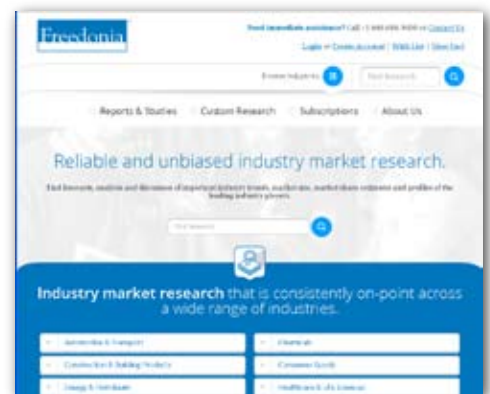
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