

Global Precast Concrete Market Size study, by Product Type (Columns & Beams, Girders, Floors & Roofs, Walls & Barriers, Pipes, Paving Slabs, Others), by Application (Building Components, Transportation, Water & Waste Handling, Others), by Type (Wet Concrete, Dry/Semi-dry Concrete), by End-Use (Residential, Commercial, Industrial, Infrastructure), and Regional Forecasts 2022-2032

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Abstracts

Global Precast Concrete Market is valued at approximately USD 133.84 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.5% over the forecast period 2024-2032. Precast concrete, formed using reusable molds off-site within controlled settings, ensures optimal curing and close supervision. This off-site method is more efficient than traditional on-site casting due to the multiple uses of molds before replacement. Advantages include superior quality control, enhanced workmanship, and increased safety since production occurs at ground level. The demand for precast concrete is surging, driven by urbanization and an increase in construction activities. The construction industry's shift toward sustainable, economical, and modern building techniques is also a significant growth contributor. Furthermore, the expansion of infrastructure projects in developing nations is expected to propel the market for precast concrete.

Precast concrete products such as beams, columns, walls, and stairs are increasingly incorporated into residential buildings due to their speed and ease of construction. These products, manufactured off-site in meticulous settings, enhance overall quality and offer efficient construction in various weather conditions. The use of precast

products significantly reduces construction costs, time, and waste, driving high demand in the building & construction industry. The rapid urbanization and increasing population are propelling market growth. The escalating demand for non-residential infrastructure, including airports, sports complexes, malls, and commercial buildings, is poised to streamline the supply chain, reducing construction timelines and improving cost efficiency. Additionally, government initiatives to provide housing for the Economically Weaker Section (EWS) further boost the demand for precast concrete. However, environmental concerns regarding cement manufacturing are likely to restrain market growth. Cement, a crucial component of concrete, contributes significantly to global warming and pollution. Cement manufacturing sites are sources of toxic gases like nitrogen oxide, sulfur dioxide, and carbon monoxide, linked to health issues and environmental impacts. Government regulations to reduce emissions from cement production sites will likely slow the market's CAGR.

The key regions considered for the Global Precast Concrete Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific is a dominating region in the Global Precast Concrete Market in terms of revenue. The market growth in the region is being attributed to factors such as rising investments by China, India, and Japan in infrastructure development and the growing residential sector will increase demand for precast concrete products. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by the increased use of these products in non-residential and infrastructural development, reducing construction time and labor costs.

Major market players included in this report are:

Boral (Australia)
Gulf Precast (UAE)
Olson Precast Company (U.S.)
Larsen & Toubro Limited (India)
Tindall Corporation (U.S.)
The Wells Companies (U.S.)
Elementbau Osthessen GmbH & Co., ELO KG (Germany)
Bouygues Construction (France)
Balfour Beatty plc (U.K.)
Oldcastle Infrastructure Inc. (U.S.)
Vinci S.A.
Coltman Precast Concrete Limited
Holcim Ltd (Switzerland)
CEMEX (Mexico)

Forterra Building Products Ltd (U.K.)

The detailed segments and sub-segment of the market are explained below:

By Product Type

Columns & Beams

Girders

Floors & Roofs

Walls & Barriers

Pipes

Paving Slabs

Others

By Application

Building Components

Transportation

Water & Waste Handling

Others

By Type

Wet Concrete

Dry/Semi-dry Concrete

By End-Use

Residential

Commercial

Industrial

Infrastructure

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico
Rest of Latin America

Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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