

# **South & Central America Precast Concrete Market Forecast to 2030 - Regional Analysis - by Structure System (Beam and Column System, Floor and Roof System, Bearing Wall System, Façade System, and Others) and End Use (Residential, Commercial, and Others)**

<https://marketpublishers.com/r/S5B4DF4E7B97EN.html>

Date: May 2024

Pages: 70

Price: US\$ 3,550.00 (Single User License)

ID: S5B4DF4E7B97EN

## **Abstracts**

The South & Central America precast concrete market was valued at US\$ 3,676.92 million in 2022 and is expected to reach US\$ 5,523.09 million by 2030; it is estimated to register at a CAGR of 5.2% from 2022 to 2030.

### **Significant Investment in Innovation and Product Development Drives South & Central America Precast Concrete Market**

The precast concrete industry is constantly innovating, driven by changes in global markets, rise in consumer demands, and labor cost pressures. Producers are continually seeking ways to increase efficiency, boost quality, and increase their bottom line. Furthermore, increased environmental awareness and emphasis on project life cycles have increased the demand for sustainable construction practices-especially those designed to reduce waste, greenhouse gas emissions, and energy consumption-which will further propel the South & Central America precast concrete market. Moreover, modern precast concrete production technologies enable material optimization. For instance, in 2019, the new Extruder E9 was introduced. It is the pinnacle of best-in-class extruders. The unit, which represents Elematic's 5th generation of extruders, establishes a new standard for high-speed casting in hollow-core slab production while maintaining low production costs.

Further, 3D printed precast concrete forms are also providing new creative solutions and a completely new way of thinking about design to the architectural precast industry. Molds that are 3D-printed have many benefits over traditional molds, such as they take less time to construct, produces highly replicable and long-lasting components, less material waste, and the molds can be used up to 200 times, which is an order of magnitude more than conventional molds, which can normally only be used for 15 to 20 concrete pours. This advantage reduces the marginal cost per piece for large, repetitive projects by spreading the mold's total cost over a larger number of concrete sheets.

In addition, the use of 3D-printed molds would increase the appeal of precast construction to architects and designers by enabling them to develop innovative and more complex building designs. The increasing innovations by the manufacturers in the development of cost-effective, eco-friendly, and performance-efficient precast concrete will create significant opportunities for the growth of the market.

### South & Central America Precast Concrete Market Overview

South America includes countries such as Brazil, Argentina, and the Rest of South America. South America is another region contributing to the growth of precast concrete. With the urbanization of the population in South America, the precast concrete market has been estimated to be increasing over the forecast period. South America are among the fast-developing precast concrete market globally but is less mature and slow compared to other regions. Brazil and Argentina are driving the growth of the market in the region.

The precast concrete market in South America is primarily driven by the high use of this process by the end-use industries. Precast concrete has extensive use in the building and construction industry. The precast concrete industry in Brazil is currently flourishing. The local sector uses this opportunity to get to know foreign suppliers and inform themselves about the newest trends and developments. Precast concrete offers various advantages, including reducing construction time, high-quality control, cost efficiency, and environmental protection. Besides, the use of precast concrete for constructing buildings, bridges, and stadiums has raised work-zone safety, which is the other factor anticipated to drive the market growth during 2022-2030.

Furthermore, the region's key players can increase their market share by focusing on product development and innovations. It is considered that with the increasing presence of global and local market players, coupled with growing research and development

activities, the precast concrete market will find immense opportunities in the coming years. The rise in investment in research & development activities and technological innovation related to precast concrete is also expected to bolster the growth of the market.

South & Central America Precast Concrete Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Precast Concrete Market Segmentation

The South & Central America precast concrete market is segmented based on structure system, end use, and country.

Based on structure system, the South & Central America precast concrete market is segmented into beam and column system, floor and roof system, bearing wall system, facade system, and others. The beam and column system segment held the largest share in 2022.

In terms of end use, the South & Central America precast concrete market is segmented into residential, commercial, and others. The commercial segment held the largest share in 2022.

Based on country, the South & Central America precast concrete market is categorized into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America precast concrete market in 2022.

Heidelberg Materials AG, Cemex SAB de CV manufacturer, Holcim Ltd, and Consolis Group SAS are some of the leading companies operating in the South & Central America precast concrete market.

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