

Europe Green Cement and Concrete Market Forecast to 2030 - Regional Analysis - by Product Type (Fly Ash Based, Geopolymer, Slag Based, and Others) and End user (Commercial and Public Infrastructure, Industrial, and Residential)

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Abstracts

The Europe green cement and concrete market is expected to grow from US\$ 4,816.67 million in 2022 to US\$ 7,938.95 million by 2030. It is estimated to record a CAGR of 6.4% from 2022 to 2030.

Growing Infrastructure Development Drives Europe Green Cement and Concrete Market

Growing investment in sustainable infrastructure paves the way for green cement and concrete opportunities, encouraging the application of eco-friendly alternatives, promoting economic growth, and improving livelihoods. It also offers a pathway for countries to incorporate their infrastructure development and climate goals together by participating in projects that decrease carbon presence, including sustainable and green construction and manufacturing ecosystems. The construction and infrastructure industry are focusing on reducing its carbon footprint, as it is the key contributor to environmental pollution. The World Bank strives to drive more capital spending into infrastructure development to support high-end, sustainable projects that sustainably expand the economy and the environment. In fiscal 2023, the World Bank provided US\$ 12.8 billion to reinforce infrastructure financing in developing countries. The World Bank is working to eliminate constraints preventing private-sector investments and working on the project pipelines that attract private-sector financiers to get involved in the overall process. In 2023, The Connecting Europe Facility, the EU's instrument for strategic investment in transportation infrastructure, has awarded approximately US\$ 6.5 billion in

grants to 107 projects the Commission has selected. Projects to create an intelligent, eco-friendly, and effective network of inland waterways, maritime routes, and railroads along the trans-European transport network (TEN-T) will receive more than 80% of the financing.

Europe Green Cement and Concrete Market Overview

Europe hold second largest share of 16.80% share in 2022 for the Europe green cement and concrete market. Germany, Russia, France, the UK, and Italy are the major countries in Europe and hold great potential for adopting sustainable material to build the construction of commercial and public places in urban areas. Some of the countries in the Europe region are the largest construction sector. For instance, Germany recorded a revenue of US\$ 175 billion in 2020, while the French construction industry's turnover was US\$ 540 billion in 2020. As a result, the demand for cement and concrete increased significantly. The German construction sector emitted 115 million tons of CO₂, and the country's overall greenhouse emissions increased by 4.5% in 2021 compared to 2020. In France, as per the data provided by government officials, 25% of carbon emissions arise from the construction sector. Such statistics show the need for sustainable strategies in the region. Thus, many countries have come up with carbon emission reduction programs. For instance, the French Ministry of Ecological Transition announced the new RE2020 legislation in November 2020 to achieve carbon neutrality in the construction sector by 2050. The government launched simulations in July 2021, and the regulation took effect in 2022. This law applies to the construction of all new buildings, including single-family homes and collective housing, offices, and educational structures, as well as tertiary structures such as hotels, shops, and gymnasiums.

As a result, Europe became a front-runner in the green cement industry, emphasizing the use of construction materials with a lower carbon footprint. Several European countries apart from France have set ambitious targets for carbon emissions reduction, driving innovation in sustainable cement production. For instance, in 2020, the Verein Deutscher Zementwerke e.V. (VDZ), the German cement association, presented plans for decarbonizing cement and concrete by 2050. Moreover, cement manufacturers in the region are combining alternative raw materials and deploying carbon capture technologies. The European Union's commitment to achieving a carbon-neutral economy has further accelerated the adoption of green cement. These efforts are making a significant impact on reducing the environmental concerns of the construction industry across the continent.

Europe Green Cement and Concrete Market Revenue and Forecast to 2030 (US\$

Million)

Europe Green Cement and Concrete Market Segmentation

The Europe green cement and concrete market is segmented into product type, end user, and country.

Based on product type, the Europe green cement and concrete market is segmented into fly ash based, geopolymers, slag based, and others. The fly ash-based segment held the largest share of the Europe green cement and concrete market in 2022.

In terms of end user, the Europe green cement and concrete market is segmented into commercial and public infrastructure and public infrastructure and public infrastructure, industrial, and residential. The commercial and public infrastructure and public infrastructure and public infrastructure segment held the largest share of the Europe green cement and concrete market in 2022.

Based on country, the Europe green cement and concrete market is segmented into France, Germany, Italy, the UK, Russia, and the Rest of Europe. France dominated the Europe green cement and concrete market in 2022.

China National Building Material Co Ltd, Green Cement Inc, Anhui Conch Cement Co Ltd, Holcim Ltd, Navrattan Green Cement Industries Pvt Ltd, Cemex SAB de CV, and HeidelbergCement AG are some of the leading companies operating in the Europe green cement and concrete market.

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