

# **Pervious Concrete Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Design (Hydrological, Structural), By Application (Hardscape, Floors, Others), By End-User (Residential, Commercial, Infrastructure), By Region, By Competition, 2020-2030F**

<https://marketpublishers.com/r/P60B46B8800CEN.html>

Date: June 2025

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: P60B46B8800CEN

## **Abstracts**

### Market Overview

The Global Pervious Concrete Market was valued at USD 4.56 billion in 2024 and is projected to reach USD 6.87 billion by 2030, growing at a CAGR of 6.91%. Pervious concrete, also referred to as porous or no-fines concrete, is increasingly recognized as a sustainable construction material that supports efficient stormwater management and urban resilience. Comprising coarse aggregates, cement, and minimal fine aggregates, its porous structure facilitates rapid water infiltration, thereby minimizing runoff, reducing urban flooding, and promoting groundwater recharge.

The market spans a diverse range of stakeholders including material suppliers, admixture producers, construction firms, and urban developers. With its widespread adoption in sidewalks, driveways, parking areas, and other low-traffic zones, pervious concrete is becoming central to green infrastructure strategies. Increasing urbanization and environmental concerns, such as the urban heat island effect and water quality degradation, are pushing governments to adopt green building initiatives like LEED, which further drives demand. As cities look to develop sustainable drainage systems and climate-resilient infrastructure, pervious concrete is gaining momentum as a critical solution.

## Key Market Drivers

### Growing Urbanization and Need for Sustainable Stormwater Management

The rapid pace of urbanization is a major driver of the global pervious concrete market, as cities face mounting challenges related to stormwater management. Traditional impervious surfaces limit natural infiltration, contributing to frequent flooding and water contamination. Pervious concrete, with its high permeability, offers an effective solution to these challenges by facilitating water drainage directly through the pavement.

Urban planning authorities and municipalities are increasingly embracing low-impact development strategies that prioritize permeable surfaces. Organizations such as the U.S. EPA advocate for permeable pavements as best practices in sustainable urban drainage systems. Furthermore, expanding construction in emerging markets across Asia-Pacific and Latin America has increased demand for environmentally sound and infrastructure-efficient building materials. Pervious concrete is being widely applied in sidewalks, plazas, parking lots, and other infrastructure projects, aligning with both functional and sustainability objectives.

## Key Market Challenges

### Durability and Structural Limitations in Load-Bearing Applications

The adoption of pervious concrete is limited by its comparatively lower structural strength and durability, particularly in heavy-load and high-traffic scenarios. Unlike conventional concrete, the reduced use of fine aggregates in pervious concrete results in a porous matrix that, while ideal for water permeability, lacks the density required for high mechanical performance.

This structural limitation restricts its applicability in areas subjected to intense vehicular loads or where long-term wear resistance is critical. Additionally, freeze-thaw cycles in colder regions can accelerate surface degradation. These factors present a challenge for broader market penetration, especially in infrastructure projects requiring robust, long-lasting materials.

## Key Market Trends

### Growing Emphasis on Sustainable Urban Infrastructure Development

The rising focus on sustainable urban development is a key trend shaping the pervious concrete market. As urban centers grapple with increasing environmental stressors, city planners are integrating green infrastructure solutions that mitigate runoff, enhance groundwater replenishment, and reduce surface temperatures.

Pervious concrete aligns with these goals by offering a high-performance, environmentally responsible alternative to traditional paving materials. Regulatory policies, particularly in North America and Europe, are mandating sustainable drainage systems and encouraging the use of pervious surfaces in public works. LEED certification and similar green building standards are accelerating this shift. The material's role in reducing heat island effects and improving urban water management is driving adoption in new residential developments, commercial spaces, and public infrastructure across major cities.

### Key Market Players

CEMEX S.A.B. de C.V.

LafargeHolcim Ltd (Holcim Group)

BASF SE

Boral Limited

Sika AG

UltraTech Cement Ltd.

Breedon Group plc

QUIKRETE Companies, Inc.

### Report Scope:

In this report, the Global Pervious Concrete Market has been segmented into the following categories, in addition to the industry trends which have also been detailed

below:

Pervious Concrete Market, By Design:

Hydrological

Structural

Pervious Concrete Market, By Application:

Hardscape

Floors

Others

Pervious Concrete Market, By End-User:

Residential

Commercial

Infrastructure

Pervious Concrete Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

## Turkey

### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Pervious Concrete Market.

### Available Customizations:

Global Pervious Concrete Market report with the given Market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### Company Information

Detailed analysis and profiling of additional Market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
- 1.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Formulation of the Scope
- 2.4. Assumptions and Limitations
- 2.5. Sources of Research
  - 2.5.1. Secondary Research
  - 2.5.2. Primary Research
- 2.6. Approach for the Market Study
  - 2.6.1. The Bottom-Up Approach
  - 2.6.2. The Top-Down Approach
- 2.7. Methodology Followed for Calculation of Market Size & Market Shares
- 2.8. Forecasting Methodology
  - 2.8.1. Data Triangulation & Validation

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

### **4. VOICE OF CUSTOMER**

### **5. GLOBAL PERVIOUS CONCRETE MARKET OUTLOOK**

- 5.1. Market Size & Forecast

- 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Design (Hydrological, Structural)
  - 5.2.2. By Application (Hardscape, Floors, Others)
  - 5.2.3. By End-User (Residential, Commercial, Infrastructure)
  - 5.2.4. By Region
- 5.3. By Company (2024)
- 5.4. Market Map

## **6. NORTH AMERICA PERVIOUS CONCRETE MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Design
  - 6.2.2. By Application
  - 6.2.3. By End-User
  - 6.2.4. By Country
- 6.3. North America: Country Analysis
  - 6.3.1. United States Pervious Concrete Market Outlook
    - 6.3.1.1. Market Size & Forecast
      - 6.3.1.1.1. By Value
    - 6.3.1.2. Market Share & Forecast
      - 6.3.1.2.1. By Design
      - 6.3.1.2.2. By Application
      - 6.3.1.2.3. By End-User
  - 6.3.2. Canada Pervious Concrete Market Outlook
    - 6.3.2.1. Market Size & Forecast
      - 6.3.2.1.1. By Value
    - 6.3.2.2. Market Share & Forecast
      - 6.3.2.2.1. By Design
      - 6.3.2.2.2. By Application
      - 6.3.2.2.3. By End-User
  - 6.3.3. Mexico Pervious Concrete Market Outlook
    - 6.3.3.1. Market Size & Forecast
      - 6.3.3.1.1. By Value
    - 6.3.3.2. Market Share & Forecast
      - 6.3.3.2.1. By Design
      - 6.3.3.2.2. By Application

#### 6.3.3.2.3. By End-User

## 7. EUROPE PERVIOUS CONCRETE MARKET OUTLOOK

### 7.1. Market Size & Forecast

#### 7.1.1. By Value

### 7.2. Market Share & Forecast

#### 7.2.1. By Design

#### 7.2.2. By Application

#### 7.2.3. By End-User

#### 7.2.4. By Country

### 7.3. Europe: Country Analysis

#### 7.3.1. Germany Pervious Concrete Market Outlook

##### 7.3.1.1. Market Size & Forecast

###### 7.3.1.1.1. By Value

##### 7.3.1.2. Market Share & Forecast

###### 7.3.1.2.1. By Design

###### 7.3.1.2.2. By Application

###### 7.3.1.2.3. By End-User

#### 7.3.2. United Kingdom Pervious Concrete Market Outlook

##### 7.3.2.1. Market Size & Forecast

###### 7.3.2.1.1. By Value

##### 7.3.2.2. Market Share & Forecast

###### 7.3.2.2.1. By Design

###### 7.3.2.2.2. By Application

###### 7.3.2.2.3. By End-User

#### 7.3.3. Italy Pervious Concrete Market Outlook

##### 7.3.3.1. Market Size & Forecast

###### 7.3.3.1.1. By Value

##### 7.3.3.2. Market Share & Forecast

###### 7.3.3.2.1. By Design

###### 7.3.3.2.2. By Application

###### 7.3.3.2.3. By End-User

#### 7.3.4. France Pervious Concrete Market Outlook

##### 7.3.4.1. Market Size & Forecast

###### 7.3.4.1.1. By Value

##### 7.3.4.2. Market Share & Forecast

###### 7.3.4.2.1. By Design

###### 7.3.4.2.2. By Application

- 7.3.4.2.3. By End-User
- 7.3.5. Spain Pervious Concrete Market Outlook
  - 7.3.5.1. Market Size & Forecast
    - 7.3.5.1.1. By Value
  - 7.3.5.2. Market Share & Forecast
    - 7.3.5.2.1. By Design
    - 7.3.5.2.2. By Application
    - 7.3.5.2.3. By End-User

## **8. ASIA-PACIFIC PERVIOUS CONCRETE MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Design
  - 8.2.2. By Application
  - 8.2.3. By End-User
  - 8.2.4. By Country
- 8.3. Asia-Pacific: Country Analysis
  - 8.3.1. China Pervious Concrete Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Design
      - 8.3.1.2.2. By Application
      - 8.3.1.2.3. By End-User
  - 8.3.2. India Pervious Concrete Market Outlook
    - 8.3.2.1. Market Size & Forecast
      - 8.3.2.1.1. By Value
    - 8.3.2.2. Market Share & Forecast
      - 8.3.2.2.1. By Design
      - 8.3.2.2.2. By Application
      - 8.3.2.2.3. By End-User
  - 8.3.3. Japan Pervious Concrete Market Outlook
    - 8.3.3.1. Market Size & Forecast
      - 8.3.3.1.1. By Value
    - 8.3.3.2. Market Share & Forecast
      - 8.3.3.2.1. By Design
      - 8.3.3.2.2. By Application

- 8.3.3.2.3. By End-User
- 8.3.4. South Korea Pervious Concrete Market Outlook
  - 8.3.4.1. Market Size & Forecast
    - 8.3.4.1.1. By Value
  - 8.3.4.2. Market Share & Forecast
    - 8.3.4.2.1. By Design
    - 8.3.4.2.2. By Application
    - 8.3.4.2.3. By End-User
- 8.3.5. Australia Pervious Concrete Market Outlook
  - 8.3.5.1. Market Size & Forecast
    - 8.3.5.1.1. By Value
  - 8.3.5.2. Market Share & Forecast
    - 8.3.5.2.1. By Design
    - 8.3.5.2.2. By Application
    - 8.3.5.2.3. By End-User

## **9. SOUTH AMERICA PERVIOUS CONCRETE MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Design
  - 9.2.2. By Application
  - 9.2.3. By End-User
  - 9.2.4. By Country
- 9.3. South America: Country Analysis
  - 9.3.1. Brazil Pervious Concrete Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast
      - 9.3.1.2.1. By Design
      - 9.3.1.2.2. By Application
      - 9.3.1.2.3. By End-User
  - 9.3.2. Argentina Pervious Concrete Market Outlook
    - 9.3.2.1. Market Size & Forecast
      - 9.3.2.1.1. By Value
    - 9.3.2.2. Market Share & Forecast
      - 9.3.2.2.1. By Design
      - 9.3.2.2.2. By Application

- 9.3.2.2.3. By End-User
- 9.3.3. Colombia Pervious Concrete Market Outlook
  - 9.3.3.1. Market Size & Forecast
    - 9.3.3.1.1. By Value
  - 9.3.3.2. Market Share & Forecast
    - 9.3.3.2.1. By Design
    - 9.3.3.2.2. By Application
    - 9.3.3.2.3. By End-User

## **10. MIDDLE EAST AND AFRICA PERVIOUS CONCRETE MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Design
  - 10.2.2. By Application
  - 10.2.3. By End-User
  - 10.2.4. By Country
- 10.3. Middle East and Africa: Country Analysis
  - 10.3.1. South Africa Pervious Concrete Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Design
      - 10.3.1.2.2. By Application
      - 10.3.1.2.3. By End-User
  - 10.3.2. Saudi Arabia Pervious Concrete Market Outlook
    - 10.3.2.1. Market Size & Forecast
      - 10.3.2.1.1. By Value
    - 10.3.2.2. Market Share & Forecast
      - 10.3.2.2.1. By Design
      - 10.3.2.2.2. By Application
      - 10.3.2.2.3. By End-User
  - 10.3.3. UAE Pervious Concrete Market Outlook
    - 10.3.3.1. Market Size & Forecast
      - 10.3.3.1.1. By Value
    - 10.3.3.2. Market Share & Forecast
      - 10.3.3.2.1. By Design
      - 10.3.3.2.2. By Application

- 10.3.3.2.3. By End-User
- 10.3.4. Kuwait Pervious Concrete Market Outlook
  - 10.3.4.1. Market Size & Forecast
    - 10.3.4.1.1. By Value
  - 10.3.4.2. Market Share & Forecast
    - 10.3.4.2.1. By Design
    - 10.3.4.2.2. By Application
    - 10.3.4.2.3. By End-User
- 10.3.5. Turkey Pervious Concrete Market Outlook
  - 10.3.5.1. Market Size & Forecast
    - 10.3.5.1.1. By Value
  - 10.3.5.2. Market Share & Forecast
    - 10.3.5.2.1. By Design
    - 10.3.5.2.2. By Application
    - 10.3.5.2.3. By End-User

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

## **13. COMPANY PROFILES**

- 13.1. CEMEX S.A.B. de C.V.
  - 13.1.1. Business Overview
  - 13.1.2. Key Revenue and Financials
  - 13.1.3. Recent Developments
  - 13.1.4. Key Personnel/Key Contact Person
  - 13.1.5. Key Product/Services Offered
- 13.2. LafargeHolcim Ltd (Holcim Group)
- 13.3. BASF SE
- 13.4. Boral Limited
- 13.5. Sika AG

- 13.6. UltraTech Cement Ltd.
- 13.7. Breedon Group plc
- 13.8. QUIKRETE Companies, Inc.

## **14. STRATEGIC RECOMMENDATIONS**

## **15. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Pervious Concrete Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Design (Hydrological, Structural), By Application (Hardscape, Floors, Others), By End-User (Residential, Commercial, Infrastructure), By Region, By Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/P60B46B8800CEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P60B46B8800CEN.html>