

Pervious Concrete Pavers Market Size, Share & Trends Analysis Report By Material (Pervious Concrete, Porous Asphalt), By End-use (Commercial, Infrastructure), By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Pervious Concrete Pavers Market Trends

The global pervious concrete pavers market size was estimated at USD 9.13 billion in 2023 and is projected to grow at a CAGR of 5.8% from 2024 to 2030. Pervious concrete allows rainwater to percolate through the pavement and into the ground, reducing surface runoff and recharging groundwater levels. This helps mitigate the urban heat island effect and reduces the risk of flooding in densely built-up areas. The ability to manage stormwater naturally and effectively makes pervious concrete an attractive option for eco-conscious urban planners and developers.

Governments and regulatory bodies worldwide are increasingly enforcing stringent regulations on stormwater management to combat the adverse effects of urbanization and climate change. Many regions have implemented policies that require new developments to incorporate sustainable drainage systems (SuDS). Pervious concrete pavers are an effective way to meet these regulations, as they provide a built-in solution for managing stormwater runoff and improving water quality by filtering pollutants.

Rapid urbanization and the expansion of metropolitan areas have heightened the need for effective and sustainable infrastructure solutions. Pervious concrete pavers are

becoming popular in urban development projects, including residential areas, commercial complexes, and public spaces. They are particularly valued in urban settings where traditional drainage systems are often overburdened. The ability of pervious pavers to reduce runoff and support groundwater recharge makes them an ideal choice for sustainable urban planning. Furthermore, their application in creating cooler, more comfortable outdoor spaces enhances the quality of urban life.

Although the initial installation cost of pervious concrete pavers can be higher than traditional materials, their long-term economic benefits are substantial. These pavers reduce the need for extensive stormwater infrastructure, such as retention ponds and underground drainage systems, leading to significant cost savings. Additionally, they help prevent flooding and water damage, which can result in considerable savings on repairs and insurance premiums. Over time, the durability and low maintenance requirements of pervious concrete pavers make them a cost-effective solution for municipalities and property developers.

Global Pervious Concrete Pavers Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the global pervious concrete pavers market report based on material, end-use, and region.

Material Outlook (Revenue, USD Million, 2018 - 2030)

Pervious Concrete

Porous Asphalt

Interlocking Concrete Pavers

End Use Outlook (Revenue, USD Million, 2018 - 2030)

Residential

Commercial

Infrastructure

Regional Outlook (Revenue, USD Million, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Central & South America

Brazil

Middle East & Africa

Saudi Arabia

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