

Geogrid Market Report by Type (Uniaxial Geogrid, Biaxial Geogrid, Triaxial Geogrid), Application (Road Industry, Railroad Stabilization, Soil Reinforcement, and Others), and Region 2023-2028

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Abstracts

The global geogrid market size reached US\$ 1,116 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,820 Million by 2028, exhibiting a growth rate (CAGR) of 8.5% during 2022-2028.

Geogrids are planar polymeric structures manufactured using polyethylene (PET), high-density polyethylene (HDPE), polypropylene (PP), aramid (AR), and polyvinyl alcohol (PVA). They comprise regular open networks of integrally connected tensile elements, which are usually linked by extrusion, bonding, and interlacing processes. As a result, they are utilized in different construction projects to provide filtration, stabilization, and reinforcement functions. These construction projects generally include haul roads, airport runways, parking lots, retaining walls, landfill liner systems, permanent unpaved roads, embankments over soft soils, and extra steep earthwork slopes.

Geogrid Market Trends:

Construction sites generally have unfavorable conditions, such as weak and wet soils, wherein building structures require the adoption of an unconventional approach. This approach involves excavating the soil material and making a thick layer of aggregate using harmful chemicals. This, in confluence with the flourishing construction industry on account of the rising global population and improving existing infrastructure, represents one of the major factors catalyzing the demand for geogrids across the globe. Geogrids act as a simple, cost-effective solution for high resistance against soil microorganisms, chemicals, ultraviolet (UV) radiation, installation and mechanical damage, and long-term biological degradation. Moreover, due to rising environmental concerns, governing agencies of several countries, in collaboration with non-governmental organizations (NGOs), are introducing awareness campaigns to prevent

soil erosion. This is positively influencing the sales of geogrids to improve performance, structural integrity, and the foundation of railroad beds. Apart from this, geogrids are environmental-friendly and they reduce the depth of excavation, require less maintenance, and help enhance safety, seismic durability, soil strength, and life of paved roads. Consequently, geogrids are gaining traction around the world as an alternative to lime stabilization for heavy clays that contain sulfates.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global geogrid market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type and application.

Breakup by Type:

Uniaxial Geogrid

Biaxial Geogrid

Triaxial Geogrid

Breakup by Application:

Road Industry

Railroad Stabilization

Soil Reinforcement

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ACE Geosynthetics Enterprise Co. Ltd., Carthage Mills Inc., HUESKER Synthetic GmbH, Koninklijke Ten Cate B.V., NAUE GmbH & Co. KG, Propex Operating Company LLC, S i A Pietrucha Sp. z o.o., Taian Modern Plastics Co. Ltd, Tensar International Corporation, Thrace Group and Wrekin Products Ltd.

Key Questions Answered in This Report

1. How big is the global geogrid market?
2. What is the expected growth rate of the global geogrid market during 2023-2028?
3. What are the key factors driving the global geogrid market?
4. What has been the impact of COVID-19 on the global geogrid market?
5. What is the breakup of the global geogrid market based on the type?
6. What is the breakup of the global geogrid market based on the application?
7. What are the key regions in the global geogrid market?
8. Who are the key players/companies in the global geogrid market?

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