

# Global Geosynthetic Clay Liner Sales Market Report 2018

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## Abstracts

This report studies the global Geosynthetic Clay Liner market status and forecast, categorizes the global Geosynthetic Clay Liner market size (value & volume) by key players, type, application, and region.

This report focuses on the top players in North America, Europe, China, Japan, Southeast Asia India and Other regions (Middle East & Africa, Central & South America).

Geosynthetic clay liners (GCLs) are factory manufactured hydraulic barriers consisting of a layer of bentonite or other very low-permeability material supported by geotextiles and/or geomembranes, mechanically held together by needling, stitching, or chemical adhesives. Due to environmental laws, any seepage from landfills must be collected and properly disposed off, otherwise contamination of the surrounding ground water could cause major environmental and/or ecological problems. The lower the hydraulic conductivity the more effective the GCL will be at retaining seepage inside of the landfill. Bentonite composed predominantly (>70%) of montmorillonite or other expansive clays, are preferred and most commonly used in GCLs. A general GCL construction would consist of two layers of geosynthetics stitched together enclosing a layer of natural or processed sodium bentonite. Typically, woven and/or non-woven textile geosynthetics are used, however polyethylene or geomembrane layers or geogrid geotextiles materials have also been incorporated into the design or in place of a textile layer to increase strength. GCLs are produced by several large companies in North America, Europe, and Asia. The United States Environmental Protection Agency currently regulates landfill construction and design in the US through several legislations. First of all, the increasing demand for Geosynthetic Clay Liner is expected to drive the market growth. This is because of the development of Containment & Wastewater Treatment, Landfill and Roadways & Civil Construction. Geosynthetic clay liners are fabric-like materials utilized as linings to prevent seepage out of landfills. They act as a

hydraulic barrier and incorporate two textile layers interconnected by bentonite clay, which is known to have low hydraulic conductivity. Second, increasing expenditure for infrastructure development in China, India, and Middle East countries in light of regulatory initiatives to enhance domestic output is expected to play an important role in amplifying market demand.

The global Geosynthetic Clay Liner market is valued at xx million US\$ in 2017 and will reach xx million US\$ by the end of 2025, growing at a CAGR of xx% during 2018-2025. The major players covered in this report

Eurobent

Agro America

NAUE GmbH

ECT Manufacturing

National Well Supplies Company

Global Synthetics

Shandong Taian Sanyou Building Materialco

GSE

Geographically, this report studies the key regions, focuses on product sales, value, market share and growth opportunity in these regions, covering

United States

Europe

China

Japan

Southeast Asia

India

We can also provide the customized separate regional or country-level reports, for the following regions:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

South Korea

Australia

Indonesia

Singapore

Rest of Asia-Pacific

Europe

Germany

France

UK

Italy

Spain

Russia

Rest of Europe

Central & South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Saudi Arabia

Turkey

Rest of Middle East & Africa

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

Bentonite Swell Index<sup>1</sup>

Bentonite Fluid Loss

Bentonite Mass/Area<sup>2</sup>

GCL Grab Strength<sup>3</sup>

GCL Peel Strength<sup>3</sup>

GCL Index Flux4

GCL Hydraulic Conductivity4

GCL Hydrated Internal Shear Strength5

On the basis on the end users/applications, this report focuses on the status and outlook for major applications/end users, sales volume, market share and growth rate for each application, including

Containment & Wastewater Treatment

Landfill

Roadways & Civil Construction

The study objectives of this report are:

To analyze and study the global Geosynthetic Clay Liner sales, value, status (2013-2017) and forecast (2018-2025);

To analyze the top players in North America, Europe, China, Japan, Southeast Asia and India, to study the sales, value and market share of top players in these regions.

Focuses on the key Geosynthetic Clay Liner players, to study the sales, value, market share and development plans in future.

Focuses on the global key manufacturers, to define, describe and analyze the market competition landscape, SWOT analysis.

To define, describe and forecast the market by type, application and region.

To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.

To identify significant trends and factors driving or inhibiting the market growth.

To analyze the opportunities in the market for stakeholders by identifying the high growth segments.

To strategically analyze each submarket with respect to individual growth trend and their contribution to the market

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market

To strategically profile the key players and comprehensively analyze their growth strategies.

In this study, the years considered to estimate the market size of Geosynthetic Clay Liner are as follows:

History Year: 2013-2017

Base Year: 2017

Estimated Year: 2018

Forecast Year 2018 to 2025

For the data information by region, company, type and application, 2017 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

Key Stakeholders

Geosynthetic Clay Liner Manufacturers

Geosynthetic Clay Liner Distributors/Traders/Wholesalers

Geosynthetic Clay Liner Subcomponent Manufacturers

Industry Association

Downstream Vendors

Available Customizations

With the given market data, QYResearch offers customizations according to the company's specific needs. The following customization options are available for the

report:

Regional and country-level analysis of the Geosynthetic Clay Liner market, by end-use.

Detailed analysis and profiles of additional market players.

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