

# 2018-2023 Global Geosynthetic Clay Liner Consumption Market Report

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## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Geosynthetic Clay Liner market for 2018-2023.

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.

Over the next five years, LPI(LP Information) projects that Geosynthetic Clay Liner will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Geosynthetic Clay Liner market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

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 Flux<sup>4</sup>

GCL Hydraulic Conductivity<sup>4</sup>

GCL Hydrated Internal Shear Strength<sup>5</sup>

Segmentation by application:

Containment & Wastewater Treatment

Landfill

Roadways & Civil Construction

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Eurobent

Agro America

NAUE GmbH

ECT Manufacturing

National Well Supplies Company

Global Synthetics

Shandong Taian Sanyou Building Materialco

GSE

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

### Research objectives

To study and analyze the global Geosynthetic Clay Liner consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Geosynthetic Clay Liner market by identifying its various subsegments.

Focuses on the key global Geosynthetic Clay Liner manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Geosynthetic Clay Liner with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Geosynthetic Clay Liner submarkets, with respect to key regions (along with their respective key countries).

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.

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