

# Global Geocomposite Clay Liners (GCL) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G4505560BEECEN.html>

Date: July 2024

Pages: 112

Price: US\$ 3,480.00 (Single User License)

ID: G4505560BEECEN

## Abstracts

According to our (Global Info Research) latest study, the global Geocomposite Clay Liners (GCL) market size was valued at USD 504.2 million in 2022 and is forecast to a readjusted size of USD 769.2 million by 2029 with a CAGR of 6.2% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

The geosynthetic clay liners (GCLs) market refers to the industry involved in the production and distribution of geosynthetic clay liners. GCLs are composite materials used for various containment applications, particularly in environmental engineering and geotechnical projects.

Geosynthetic clay liners are manufactured by combining bentonite clay with geotextiles or geomembranes. The bentonite clay provides excellent hydraulic properties and low permeability, while the geotextiles or geomembranes provide reinforcement and protection against mechanical damage. GCLs are primarily used for landfill liners, mining heap leach pads, wastewater treatment ponds, and other applications requiring containment of liquids or gases.

The market for GCLs has been growing steadily in recent years due to the increasing focus on environmental protection and regulations regarding containment systems. Factors such as the growth of infrastructure development, urbanization, and industrialization have contributed to the demand for GCLs in various regions.

Key players in the GCLs market include manufacturers, suppliers, and distributors of geosynthetic materials. These companies offer a wide range of GCL products with

different specifications, thicknesses, and reinforcement options to cater to the diverse needs of construction and environmental projects.

The market is driven by factors such as the cost-effectiveness of GCLs compared to traditional clay liners, their ease of installation, and their superior performance in terms of hydraulic conductivity and chemical resistance. GCLs also offer advantages such as reduced construction time, improved site safety, and flexibility in design.

In terms of geographical distribution, the market for GCLs is global, with demand coming from various regions including North America, Europe, Asia Pacific, and the rest of the world. The growing adoption of GCLs in emerging economies, particularly in Asia Pacific, is expected to drive the market's growth.

Government regulations and environmental sustainability initiatives are expected to further boost the demand for GCLs. The need for efficient containment solutions, particularly in waste management and mining sectors, will continue to drive the market's expansion.

In conclusion, the GCLs market is experiencing steady growth as industries and governments recognize the importance of effective containment systems. The demand for GCLs is expected to continue rising, driven by factors such as infrastructure development, environmental regulations, and the advantages offered by these liners in terms of performance and cost-effectiveness.

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 of, 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.

This report is a detailed and comprehensive analysis for global Geocomposite Clay Liners (GCL) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

#### Key Features:

Global Geocomposite Clay Liners (GCL) market size and forecasts, in consumption value (\$ Million), sales quantity (M Sqm), and average selling prices (USD/K Sqm), 2018-2029

Global Geocomposite Clay Liners (GCL) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Sqm), and average selling prices (USD/K Sqm), 2018-2029

Global Geocomposite Clay Liners (GCL) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Sqm), and average selling prices (USD/K Sqm), 2018-2029

Global Geocomposite Clay Liners (GCL) market shares of main players, shipments in revenue (\$ Million), sales quantity (M Sqm), and ASP (USD/K Sqm), 2018-2023

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Geocomposite Clay Liners (GCL)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Geocomposite Clay Liners (GCL) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Solmax, NAUE, Terrafix

Geosynthetics, CETCO (Minerals Technologies) and Geofabrics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Geocomposite Clay Liners (GCL) market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Reinforced GCLs

Unreinforced GCLs

### Market segment by Application

Landfills

Agriculture

Mining

Ponds & Dams

Roads & Bridges

Others

### Major players covered

Solmax

NAUE

Terrafix Geosynthetics

CETCO (Minerals Technologies)

Geofabrics

Ferguson Enterprises

AGRU

Kaytech

Eurobent

Ashapura

Huesker

Layfield

ACE Geosynthetics

Nilex

JUTA

Officine Maccaferri

Atarfil

Feicheng Lianyi

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Geocomposite Clay Liners (GCL) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Geocomposite Clay Liners (GCL), with price, sales, revenue and global market share of Geocomposite Clay Liners (GCL) from 2018 to 2023.

Chapter 3, the Geocomposite Clay Liners (GCL) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Geocomposite Clay Liners (GCL) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Geocomposite Clay Liners (GCL) market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of

Geocomposite Clay Liners (GCL).

Chapter 14 and 15, to describe Geocomposite Clay Liners (GCL) sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Geocomposite Clay Liners (GCL)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Geocomposite Clay Liners (GCL) Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Reinforced GCLs
  - 1.3.3 Unreinforced GCLs
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Geocomposite Clay Liners (GCL) Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Landfills
  - 1.4.3 Agriculture
  - 1.4.4 Mining
  - 1.4.5 Ponds & Dams
  - 1.4.6 Roads & Bridges
  - 1.4.7 Others
- 1.5 Global Geocomposite Clay Liners (GCL) Market Size & Forecast
  - 1.5.1 Global Geocomposite Clay Liners (GCL) Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Geocomposite Clay Liners (GCL) Sales Quantity (2018-2029)
  - 1.5.3 Global Geocomposite Clay Liners (GCL) Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Solmax
  - 2.1.1 Solmax Details
  - 2.1.2 Solmax Major Business
  - 2.1.3 Solmax Geocomposite Clay Liners (GCL) Product and Services
  - 2.1.4 Solmax Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Solmax Recent Developments/Updates
- 2.2 NAUE
  - 2.2.1 NAUE Details
  - 2.2.2 NAUE Major Business
  - 2.2.3 NAUE Geocomposite Clay Liners (GCL) Product and Services



- 2.2.4 NAUE Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.2.5 NAUE Recent Developments/Updates
- 2.3 Terrafix Geosynthetics
  - 2.3.1 Terrafix Geosynthetics Details
  - 2.3.2 Terrafix Geosynthetics Major Business
  - 2.3.3 Terrafix Geosynthetics Geocomposite Clay Liners (GCL) Product and Services
  - 2.3.4 Terrafix Geosynthetics Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.3.5 Terrafix Geosynthetics Recent Developments/Updates
- 2.4 CETCO (Minerals Technologies)
  - 2.4.1 CETCO (Minerals Technologies) Details
  - 2.4.2 CETCO (Minerals Technologies) Major Business
  - 2.4.3 CETCO (Minerals Technologies) Geocomposite Clay Liners (GCL) Product and Services
  - 2.4.4 CETCO (Minerals Technologies) Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.4.5 CETCO (Minerals Technologies) Recent Developments/Updates
- 2.5 Geofabrics
  - 2.5.1 Geofabrics Details
  - 2.5.2 Geofabrics Major Business
  - 2.5.3 Geofabrics Geocomposite Clay Liners (GCL) Product and Services
  - 2.5.4 Geofabrics Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.5.5 Geofabrics Recent Developments/Updates
- 2.6 Ferguson Enterprises
  - 2.6.1 Ferguson Enterprises Details
  - 2.6.2 Ferguson Enterprises Major Business
  - 2.6.3 Ferguson Enterprises Geocomposite Clay Liners (GCL) Product and Services
  - 2.6.4 Ferguson Enterprises Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.6.5 Ferguson Enterprises Recent Developments/Updates
- 2.7 AGRU
  - 2.7.1 AGRU Details
  - 2.7.2 AGRU Major Business
  - 2.7.3 AGRU Geocomposite Clay Liners (GCL) Product and Services
  - 2.7.4 AGRU Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.7.5 AGRU Recent Developments/Updates

## 2.8 Kaytech

### 2.8.1 Kaytech Details

### 2.8.2 Kaytech Major Business

### 2.8.3 Kaytech Geocomposite Clay Liners (GCL) Product and Services

### 2.8.4 Kaytech Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.8.5 Kaytech Recent Developments/Updates

## 2.9 Eurobent

### 2.9.1 Eurobent Details

### 2.9.2 Eurobent Major Business

### 2.9.3 Eurobent Geocomposite Clay Liners (GCL) Product and Services

### 2.9.4 Eurobent Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.9.5 Eurobent Recent Developments/Updates

## 2.10 Ashapura

### 2.10.1 Ashapura Details

### 2.10.2 Ashapura Major Business

### 2.10.3 Ashapura Geocomposite Clay Liners (GCL) Product and Services

### 2.10.4 Ashapura Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.10.5 Ashapura Recent Developments/Updates

## 2.11 Huesker

### 2.11.1 Huesker Details

### 2.11.2 Huesker Major Business

### 2.11.3 Huesker Geocomposite Clay Liners (GCL) Product and Services

### 2.11.4 Huesker Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.11.5 Huesker Recent Developments/Updates

## 2.12 Layfield

### 2.12.1 Layfield Details

### 2.12.2 Layfield Major Business

### 2.12.3 Layfield Geocomposite Clay Liners (GCL) Product and Services

### 2.12.4 Layfield Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.12.5 Layfield Recent Developments/Updates

## 2.13 ACE Geosynthetics

### 2.13.1 ACE Geosynthetics Details

### 2.13.2 ACE Geosynthetics Major Business

### 2.13.3 ACE Geosynthetics Geocomposite Clay Liners (GCL) Product and Services

2.13.4 ACE Geosynthetics Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.13.5 ACE Geosynthetics Recent Developments/Updates

2.14 Nilex

2.14.1 Nilex Details

2.14.2 Nilex Major Business

2.14.3 Nilex Geocomposite Clay Liners (GCL) Product and Services

2.14.4 Nilex Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.14.5 Nilex Recent Developments/Updates

2.15 JUTA

2.15.1 JUTA Details

2.15.2 JUTA Major Business

2.15.3 JUTA Geocomposite Clay Liners (GCL) Product and Services

2.15.4 JUTA Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.15.5 JUTA Recent Developments/Updates

2.16 Officine Maccaferri

2.16.1 Officine Maccaferri Details

2.16.2 Officine Maccaferri Major Business

2.16.3 Officine Maccaferri Geocomposite Clay Liners (GCL) Product and Services

2.16.4 Officine Maccaferri Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.16.5 Officine Maccaferri Recent Developments/Updates

2.17 Atarfil

2.17.1 Atarfil Details

2.17.2 Atarfil Major Business

2.17.3 Atarfil Geocomposite Clay Liners (GCL) Product and Services

2.17.4 Atarfil Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.17.5 Atarfil Recent Developments/Updates

2.18 Feicheng Lianyi

2.18.1 Feicheng Lianyi Details

2.18.2 Feicheng Lianyi Major Business

2.18.3 Feicheng Lianyi Geocomposite Clay Liners (GCL) Product and Services

2.18.4 Feicheng Lianyi Geocomposite Clay Liners (GCL) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.18.5 Feicheng Lianyi Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: GEOCOMPOSITE CLAY LINERS (GCL) BY MANUFACTURER**

- 3.1 Global Geocomposite Clay Liners (GCL) Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Geocomposite Clay Liners (GCL) Revenue by Manufacturer (2018-2023)
- 3.3 Global Geocomposite Clay Liners (GCL) Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
  - 3.4.1 Producer Shipments of Geocomposite Clay Liners (GCL) by Manufacturer Revenue (\$MM) and Market Share (%): 2022
  - 3.4.2 Top 3 Geocomposite Clay Liners (GCL) Manufacturer Market Share in 2022
  - 3.4.2 Top 6 Geocomposite Clay Liners (GCL) Manufacturer Market Share in 2022
- 3.5 Geocomposite Clay Liners (GCL) Market: Overall Company Footprint Analysis
  - 3.5.1 Geocomposite Clay Liners (GCL) Market: Region Footprint
  - 3.5.2 Geocomposite Clay Liners (GCL) Market: Company Product Type Footprint
  - 3.5.3 Geocomposite Clay Liners (GCL) Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Geocomposite Clay Liners (GCL) Market Size by Region
  - 4.1.1 Global Geocomposite Clay Liners (GCL) Sales Quantity by Region (2018-2029)
  - 4.1.2 Global Geocomposite Clay Liners (GCL) Consumption Value by Region (2018-2029)
  - 4.1.3 Global Geocomposite Clay Liners (GCL) Average Price by Region (2018-2029)
- 4.2 North America Geocomposite Clay Liners (GCL) Consumption Value (2018-2029)
- 4.3 Europe Geocomposite Clay Liners (GCL) Consumption Value (2018-2029)
- 4.4 Asia-Pacific Geocomposite Clay Liners (GCL) Consumption Value (2018-2029)
- 4.5 South America Geocomposite Clay Liners (GCL) Consumption Value (2018-2029)
- 4.6 Middle East and Africa Geocomposite Clay Liners (GCL) Consumption Value (2018-2029)

### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2029)
- 5.2 Global Geocomposite Clay Liners (GCL) Consumption Value by Type (2018-2029)

5.3 Global Geocomposite Clay Liners (GCL) Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2029)

6.2 Global Geocomposite Clay Liners (GCL) Consumption Value by Application (2018-2029)

6.3 Global Geocomposite Clay Liners (GCL) Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

7.1 North America Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2029)

7.2 North America Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2029)

7.3 North America Geocomposite Clay Liners (GCL) Market Size by Country

7.3.1 North America Geocomposite Clay Liners (GCL) Sales Quantity by Country (2018-2029)

7.3.2 North America Geocomposite Clay Liners (GCL) Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2029)

8.2 Europe Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2029)

8.3 Europe Geocomposite Clay Liners (GCL) Market Size by Country

8.3.1 Europe Geocomposite Clay Liners (GCL) Sales Quantity by Country (2018-2029)

8.3.2 Europe Geocomposite Clay Liners (GCL) Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific Geocomposite Clay Liners (GCL) Market Size by Region
  - 9.3.1 Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Region (2018-2029)
  - 9.3.2 Asia-Pacific Geocomposite Clay Liners (GCL) Consumption Value by Region (2018-2029)
  - 9.3.3 China Market Size and Forecast (2018-2029)
  - 9.3.4 Japan Market Size and Forecast (2018-2029)
  - 9.3.5 Korea Market Size and Forecast (2018-2029)
  - 9.3.6 India Market Size and Forecast (2018-2029)
  - 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
  - 9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

- 10.1 South America Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2029)
- 10.2 South America Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2029)
- 10.3 South America Geocomposite Clay Liners (GCL) Market Size by Country
  - 10.3.1 South America Geocomposite Clay Liners (GCL) Sales Quantity by Country (2018-2029)
  - 10.3.2 South America Geocomposite Clay Liners (GCL) Consumption Value by Country (2018-2029)
  - 10.3.3 Brazil Market Size and Forecast (2018-2029)
  - 10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa Geocomposite Clay Liners (GCL) Market Size by Country
  - 11.3.1 Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Geocomposite Clay Liners (GCL) Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

12.1 Geocomposite Clay Liners (GCL) Market Drivers

12.2 Geocomposite Clay Liners (GCL) Market Restraints

12.3 Geocomposite Clay Liners (GCL) Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Geocomposite Clay Liners (GCL) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Geocomposite Clay Liners (GCL)

13.3 Geocomposite Clay Liners (GCL) Production Process

13.4 Geocomposite Clay Liners (GCL) Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Geocomposite Clay Liners (GCL) Typical Distributors

14.3 Geocomposite Clay Liners (GCL) Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer



## List Of Tables

### LIST OF TABLES

Table 1. Global Geocomposite Clay Liners (GCL) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Geocomposite Clay Liners (GCL) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Solmax Basic Information, Manufacturing Base and Competitors

Table 4. Solmax Major Business

Table 5. Solmax Geocomposite Clay Liners (GCL) Product and Services

Table 6. Solmax Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Solmax Recent Developments/Updates

Table 8. NAUE Basic Information, Manufacturing Base and Competitors

Table 9. NAUE Major Business

Table 10. NAUE Geocomposite Clay Liners (GCL) Product and Services

Table 11. NAUE Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. NAUE Recent Developments/Updates

Table 13. Terrafix Geosynthetics Basic Information, Manufacturing Base and Competitors

Table 14. Terrafix Geosynthetics Major Business

Table 15. Terrafix Geosynthetics Geocomposite Clay Liners (GCL) Product and Services

Table 16. Terrafix Geosynthetics Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Terrafix Geosynthetics Recent Developments/Updates

Table 18. CETCO (Minerals Technologies) Basic Information, Manufacturing Base and Competitors

Table 19. CETCO (Minerals Technologies) Major Business

Table 20. CETCO (Minerals Technologies) Geocomposite Clay Liners (GCL) Product and Services

Table 21. CETCO (Minerals Technologies) Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

- Table 22. CETCO (Minerals Technologies) Recent Developments/Updates
- Table 23. Geofabrics Basic Information, Manufacturing Base and Competitors
- Table 24. Geofabrics Major Business
- Table 25. Geofabrics Geocomposite Clay Liners (GCL) Product and Services
- Table 26. Geofabrics Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 27. Geofabrics Recent Developments/Updates
- Table 28. Ferguson Enterprises Basic Information, Manufacturing Base and Competitors
- Table 29. Ferguson Enterprises Major Business
- Table 30. Ferguson Enterprises Geocomposite Clay Liners (GCL) Product and Services
- Table 31. Ferguson Enterprises Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. Ferguson Enterprises Recent Developments/Updates
- Table 33. AGRU Basic Information, Manufacturing Base and Competitors
- Table 34. AGRU Major Business
- Table 35. AGRU Geocomposite Clay Liners (GCL) Product and Services
- Table 36. AGRU Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. AGRU Recent Developments/Updates
- Table 38. Kaytech Basic Information, Manufacturing Base and Competitors
- Table 39. Kaytech Major Business
- Table 40. Kaytech Geocomposite Clay Liners (GCL) Product and Services
- Table 41. Kaytech Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. Kaytech Recent Developments/Updates
- Table 43. Eurobent Basic Information, Manufacturing Base and Competitors
- Table 44. Eurobent Major Business
- Table 45. Eurobent Geocomposite Clay Liners (GCL) Product and Services
- Table 46. Eurobent Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. Eurobent Recent Developments/Updates
- Table 48. Ashapura Basic Information, Manufacturing Base and Competitors
- Table 49. Ashapura Major Business

- Table 50. Ashapura Geocomposite Clay Liners (GCL) Product and Services
- Table 51. Ashapura Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 52. Ashapura Recent Developments/Updates
- Table 53. Huesker Basic Information, Manufacturing Base and Competitors
- Table 54. Huesker Major Business
- Table 55. Huesker Geocomposite Clay Liners (GCL) Product and Services
- Table 56. Huesker Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 57. Huesker Recent Developments/Updates
- Table 58. Layfield Basic Information, Manufacturing Base and Competitors
- Table 59. Layfield Major Business
- Table 60. Layfield Geocomposite Clay Liners (GCL) Product and Services
- Table 61. Layfield Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 62. Layfield Recent Developments/Updates
- Table 63. ACE Geosynthetics Basic Information, Manufacturing Base and Competitors
- Table 64. ACE Geosynthetics Major Business
- Table 65. ACE Geosynthetics Geocomposite Clay Liners (GCL) Product and Services
- Table 66. ACE Geosynthetics Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 67. ACE Geosynthetics Recent Developments/Updates
- Table 68. Nilex Basic Information, Manufacturing Base and Competitors
- Table 69. Nilex Major Business
- Table 70. Nilex Geocomposite Clay Liners (GCL) Product and Services
- Table 71. Nilex Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 72. Nilex Recent Developments/Updates
- Table 73. JUTA Basic Information, Manufacturing Base and Competitors
- Table 74. JUTA Major Business
- Table 75. JUTA Geocomposite Clay Liners (GCL) Product and Services
- Table 76. JUTA Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. JUTA Recent Developments/Updates

Table 78. Officine Maccaferri Basic Information, Manufacturing Base and Competitors

Table 79. Officine Maccaferri Major Business

Table 80. Officine Maccaferri Geocomposite Clay Liners (GCL) Product and Services

Table 81. Officine Maccaferri Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. Officine Maccaferri Recent Developments/Updates

Table 83. Atarfil Basic Information, Manufacturing Base and Competitors

Table 84. Atarfil Major Business

Table 85. Atarfil Geocomposite Clay Liners (GCL) Product and Services

Table 86. Atarfil Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. Atarfil Recent Developments/Updates

Table 88. Feicheng Lianyi Basic Information, Manufacturing Base and Competitors

Table 89. Feicheng Lianyi Major Business

Table 90. Feicheng Lianyi Geocomposite Clay Liners (GCL) Product and Services

Table 91. Feicheng Lianyi Geocomposite Clay Liners (GCL) Sales Quantity (M Sqm), Average Price (USD/K Sqm), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 92. Feicheng Lianyi Recent Developments/Updates

Table 93. Global Geocomposite Clay Liners (GCL) Sales Quantity by Manufacturer (2018-2023) & (M Sqm)

Table 94. Global Geocomposite Clay Liners (GCL) Revenue by Manufacturer (2018-2023) & (USD Million)

Table 95. Global Geocomposite Clay Liners (GCL) Average Price by Manufacturer (2018-2023) & (USD/K Sqm)

Table 96. Market Position of Manufacturers in Geocomposite Clay Liners (GCL), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 97. Head Office and Geocomposite Clay Liners (GCL) Production Site of Key Manufacturer

Table 98. Geocomposite Clay Liners (GCL) Market: Company Product Type Footprint

Table 99. Geocomposite Clay Liners (GCL) Market: Company Product Application Footprint

Table 100. Geocomposite Clay Liners (GCL) New Market Entrants and Barriers to Market Entry

Table 101. Geocomposite Clay Liners (GCL) Mergers, Acquisition, Agreements, and Collaborations

Table 102. Global Geocomposite Clay Liners (GCL) Sales Quantity by Region (2018-2023) & (M Sqm)

Table 103. Global Geocomposite Clay Liners (GCL) Sales Quantity by Region (2024-2029) & (M Sqm)

Table 104. Global Geocomposite Clay Liners (GCL) Consumption Value by Region (2018-2023) & (USD Million)

Table 105. Global Geocomposite Clay Liners (GCL) Consumption Value by Region (2024-2029) & (USD Million)

Table 106. Global Geocomposite Clay Liners (GCL) Average Price by Region (2018-2023) & (USD/K Sqm)

Table 107. Global Geocomposite Clay Liners (GCL) Average Price by Region (2024-2029) & (USD/K Sqm)

Table 108. Global Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2023) & (M Sqm)

Table 109. Global Geocomposite Clay Liners (GCL) Sales Quantity by Type (2024-2029) & (M Sqm)

Table 110. Global Geocomposite Clay Liners (GCL) Consumption Value by Type (2018-2023) & (USD Million)

Table 111. Global Geocomposite Clay Liners (GCL) Consumption Value by Type (2024-2029) & (USD Million)

Table 112. Global Geocomposite Clay Liners (GCL) Average Price by Type (2018-2023) & (USD/K Sqm)

Table 113. Global Geocomposite Clay Liners (GCL) Average Price by Type (2024-2029) & (USD/K Sqm)

Table 114. Global Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2023) & (M Sqm)

Table 115. Global Geocomposite Clay Liners (GCL) Sales Quantity by Application (2024-2029) & (M Sqm)

Table 116. Global Geocomposite Clay Liners (GCL) Consumption Value by Application (2018-2023) & (USD Million)

Table 117. Global Geocomposite Clay Liners (GCL) Consumption Value by Application (2024-2029) & (USD Million)

Table 118. Global Geocomposite Clay Liners (GCL) Average Price by Application (2018-2023) & (USD/K Sqm)

Table 119. Global Geocomposite Clay Liners (GCL) Average Price by Application (2024-2029) & (USD/K Sqm)

Table 120. North America Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2023) & (M Sqm)

Table 121. North America Geocomposite Clay Liners (GCL) Sales Quantity by Type

(2024-2029) & (M Sqm)

Table 122. North America Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2023) & (M Sqm)

Table 123. North America Geocomposite Clay Liners (GCL) Sales Quantity by Application (2024-2029) & (M Sqm)

Table 124. North America Geocomposite Clay Liners (GCL) Sales Quantity by Country (2018-2023) & (M Sqm)

Table 125. North America Geocomposite Clay Liners (GCL) Sales Quantity by Country (2024-2029) & (M Sqm)

Table 126. North America Geocomposite Clay Liners (GCL) Consumption Value by Country (2018-2023) & (USD Million)

Table 127. North America Geocomposite Clay Liners (GCL) Consumption Value by Country (2024-2029) & (USD Million)

Table 128. Europe Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2023) & (M Sqm)

Table 129. Europe Geocomposite Clay Liners (GCL) Sales Quantity by Type (2024-2029) & (M Sqm)

Table 130. Europe Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2023) & (M Sqm)

Table 131. Europe Geocomposite Clay Liners (GCL) Sales Quantity by Application (2024-2029) & (M Sqm)

Table 132. Europe Geocomposite Clay Liners (GCL) Sales Quantity by Country (2018-2023) & (M Sqm)

Table 133. Europe Geocomposite Clay Liners (GCL) Sales Quantity by Country (2024-2029) & (M Sqm)

Table 134. Europe Geocomposite Clay Liners (GCL) Consumption Value by Country (2018-2023) & (USD Million)

Table 135. Europe Geocomposite Clay Liners (GCL) Consumption Value by Country (2024-2029) & (USD Million)

Table 136. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2023) & (M Sqm)

Table 137. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Type (2024-2029) & (M Sqm)

Table 138. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2023) & (M Sqm)

Table 139. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Application (2024-2029) & (M Sqm)

Table 140. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Region (2018-2023) & (M Sqm)

Table 141. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity by Region (2024-2029) & (M Sqm)

Table 142. Asia-Pacific Geocomposite Clay Liners (GCL) Consumption Value by Region (2018-2023) & (USD Million)

Table 143. Asia-Pacific Geocomposite Clay Liners (GCL) Consumption Value by Region (2024-2029) & (USD Million)

Table 144. South America Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2023) & (M Sqm)

Table 145. South America Geocomposite Clay Liners (GCL) Sales Quantity by Type (2024-2029) & (M Sqm)

Table 146. South America Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2023) & (M Sqm)

Table 147. South America Geocomposite Clay Liners (GCL) Sales Quantity by Application (2024-2029) & (M Sqm)

Table 148. South America Geocomposite Clay Liners (GCL) Sales Quantity by Country (2018-2023) & (M Sqm)

Table 149. South America Geocomposite Clay Liners (GCL) Sales Quantity by Country (2024-2029) & (M Sqm)

Table 150. South America Geocomposite Clay Liners (GCL) Consumption Value by Country (2018-2023) & (USD Million)

Table 151. South America Geocomposite Clay Liners (GCL) Consumption Value by Country (2024-2029) & (USD Million)

Table 152. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Type (2018-2023) & (M Sqm)

Table 153. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Type (2024-2029) & (M Sqm)

Table 154. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Application (2018-2023) & (M Sqm)

Table 155. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Application (2024-2029) & (M Sqm)

Table 156. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Region (2018-2023) & (M Sqm)

Table 157. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity by Region (2024-2029) & (M Sqm)

Table 158. Middle East & Africa Geocomposite Clay Liners (GCL) Consumption Value by Region (2018-2023) & (USD Million)

Table 159. Middle East & Africa Geocomposite Clay Liners (GCL) Consumption Value by Region (2024-2029) & (USD Million)

Table 160. Geocomposite Clay Liners (GCL) Raw Material

Table 161. Key Manufacturers of Geocomposite Clay Liners (GCL) Raw Materials

Table 162. Geocomposite Clay Liners (GCL) Typical Distributors

Table 163. Geocomposite Clay Liners (GCL) Typical Customers



## List Of Figures

### LIST OF FIGURES

Figure 1. Geocomposite Clay Liners (GCL) Picture

Figure 2. Global Geocomposite Clay Liners (GCL) Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Geocomposite Clay Liners (GCL) Consumption Value Market Share by Type in 2022

Figure 4. Reinforced GCLs Examples

Figure 5. Unreinforced GCLs Examples

Figure 6. Global Geocomposite Clay Liners (GCL) Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global Geocomposite Clay Liners (GCL) Consumption Value Market Share by Application in 2022

Figure 8. Landfills Examples

Figure 9. Agriculture Examples

Figure 10. Mining Examples

Figure 11. Ponds & Dams Examples

Figure 12. Roads & Bridges Examples

Figure 13. Others Examples

Figure 14. Global Geocomposite Clay Liners (GCL) Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 15. Global Geocomposite Clay Liners (GCL) Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 16. Global Geocomposite Clay Liners (GCL) Sales Quantity (2018-2029) & (M Sqm)

Figure 17. Global Geocomposite Clay Liners (GCL) Average Price (2018-2029) & (USD/K Sqm)

Figure 18. Global Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Manufacturer in 2022

Figure 19. Global Geocomposite Clay Liners (GCL) Consumption Value Market Share by Manufacturer in 2022

Figure 20. Producer Shipments of Geocomposite Clay Liners (GCL) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 21. Top 3 Geocomposite Clay Liners (GCL) Manufacturer (Consumption Value) Market Share in 2022

Figure 22. Top 6 Geocomposite Clay Liners (GCL) Manufacturer (Consumption Value) Market Share in 2022

Figure 23. Global Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Region (2018-2029)

Figure 24. Global Geocomposite Clay Liners (GCL) Consumption Value Market Share by Region (2018-2029)

Figure 25. North America Geocomposite Clay Liners (GCL) Consumption Value (2018-2029) & (USD Million)

Figure 26. Europe Geocomposite Clay Liners (GCL) Consumption Value (2018-2029) & (USD Million)

Figure 27. Asia-Pacific Geocomposite Clay Liners (GCL) Consumption Value (2018-2029) & (USD Million)

Figure 28. South America Geocomposite Clay Liners (GCL) Consumption Value (2018-2029) & (USD Million)

Figure 29. Middle East & Africa Geocomposite Clay Liners (GCL) Consumption Value (2018-2029) & (USD Million)

Figure 30. Global Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Type (2018-2029)

Figure 31. Global Geocomposite Clay Liners (GCL) Consumption Value Market Share by Type (2018-2029)

Figure 32. Global Geocomposite Clay Liners (GCL) Average Price by Type (2018-2029) & (USD/K Sqm)

Figure 33. Global Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Application (2018-2029)

Figure 34. Global Geocomposite Clay Liners (GCL) Consumption Value Market Share by Application (2018-2029)

Figure 35. Global Geocomposite Clay Liners (GCL) Average Price by Application (2018-2029) & (USD/K Sqm)

Figure 36. North America Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Type (2018-2029)

Figure 37. North America Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Application (2018-2029)

Figure 38. North America Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Country (2018-2029)

Figure 39. North America Geocomposite Clay Liners (GCL) Consumption Value Market Share by Country (2018-2029)

Figure 40. United States Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Canada Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Mexico Geocomposite Clay Liners (GCL) Consumption Value and Growth

Rate (2018-2029) & (USD Million)

Figure 43. Europe Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Type (2018-2029)

Figure 44. Europe Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Application (2018-2029)

Figure 45. Europe Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Country (2018-2029)

Figure 46. Europe Geocomposite Clay Liners (GCL) Consumption Value Market Share by Country (2018-2029)

Figure 47. Germany Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. France Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. United Kingdom Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Russia Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Italy Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Type (2018-2029)

Figure 53. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Application (2018-2029)

Figure 54. Asia-Pacific Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Region (2018-2029)

Figure 55. Asia-Pacific Geocomposite Clay Liners (GCL) Consumption Value Market Share by Region (2018-2029)

Figure 56. China Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Japan Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Korea Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. India Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Southeast Asia Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Australia Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. South America Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Type (2018-2029)

Figure 63. South America Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Application (2018-2029)

Figure 64. South America Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Country (2018-2029)

Figure 65. South America Geocomposite Clay Liners (GCL) Consumption Value Market Share by Country (2018-2029)

Figure 66. Brazil Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 67. Argentina Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 68. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Type (2018-2029)

Figure 69. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Application (2018-2029)

Figure 70. Middle East & Africa Geocomposite Clay Liners (GCL) Sales Quantity Market Share by Region (2018-2029)

Figure 71. Middle East & Africa Geocomposite Clay Liners (GCL) Consumption Value Market Share by Region (2018-2029)

Figure 72. Turkey Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Egypt Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Saudi Arabia Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. South Africa Geocomposite Clay Liners (GCL) Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. Geocomposite Clay Liners (GCL) Market Drivers

Figure 77. Geocomposite Clay Liners (GCL) Market Restraints

Figure 78. Geocomposite Clay Liners (GCL) Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Geocomposite Clay Liners (GCL) in 2022

Figure 81. Manufacturing Process Analysis of Geocomposite Clay Liners (GCL)

Figure 82. Geocomposite Clay Liners (GCL) Industrial Chain

Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

## I would like to order

Product name: Global Geocomposite Clay Liners (GCL) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/G4505560BEECEN.html>

Price: US\$ 3,480.00 (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/G4505560BEECEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

