Geosynthetic Clay Liner Market Analysis By Application (Containment & Wastewater Treatment, Landfill, Roadways & Civil Construction) And Segment Forecasts To 2022

Description: The global geosynthetic Clay Liner Market is expected to reach USD 488.2 billion by 2022. Geosynthetic clay liners are used as lining system in construction, mining and upstream oil & gas sectors on account of providing good self sealing property and excellent chemical resistance. Rising awareness towards environmental protection in mining industry is expected to increase the expenditure on landfill treatment and containment solutions which will remain a favorable factor.

Geosynthetic clay liner market volume in landfill was estimated at over 56.5 million square meters in 2014. The product is used as a lining system in mining industry to prevent leakage of chemical constituents into groundwater and surrounding environment through providing stability on steep side slopes.

Further key findings from the report suggest:

Global geosynthetic clay liners demand was 118.0 million square meters in 2014 and is expected to exceed 165.0 million square meters by 2022, growing at a CAGR of over 4% from 2015 to 2022.

Roadways & civil construction is expected to witness growth at a CAGR of 5.7% from 2015 to 2022. The product is used as a protection barrier in construction of roads, railways, commercial and other infrastructure facilities including stadiums, airports and dockyard. In November 2014, GCLs were used in Toulouse-Blagnac Airport and adjacent Airbus-France facility where the new Airbus A-380 was built. It was reported that approximately 40,000 square meter of geosynthetic clay liner was used in construction of this airport.

GCLs also find application in agriculture and aquaculture industries in light of preventing the water leakage. Positive farming industry outlook in Peru, Chile, Norway and China in light of abundance of fish species including tilapia is anticipated to increase market penetration in the near future.

Asia Pacific is expected to witness significant growth and the market is estimated to reach 59.4 million square meters by 2022. In March 2015, the government of China announced funding of USD 1.1 trillion for infrastructure development of railways and roadways which will subsequently promote the importance of geosynthetic clay liners in the near future.

Key market players include CETCO, GSE Holdings, Terrafix, HUESKER and Wall Tag. In May 2014, GSE Environmental, Inc. inaugurated a new manufacturing facility in Suzhou, China. The company will manufacture 20,000 metric tons of GSE products including geosynthetic clay liners. Increasing application of road construction along with easy raw material access in China is expected to force manufacturers to keep their production facilities in vicinity.

Contents:

1. Methodology and Scope
   1.1. Research Methodology
   1.2. Research Scope & Assumptions
   1.3. List of Data Sources
2. Executive Summary
3. Geosynthetic Clay Liners Industry Outlook
   3.1. Geosynthetic Clay Liner Market segmentation
   3.3. Geosynthetic Clay Liner Market - Value chain analysis
   3.3.1. Vendor landscape
   3.4. Raw material outlook
   3.4.1. Polypropylene
   3.4.2. Bentonite
3.5. Technology overview
3.6. Regulatory framework
3.7. Geosynthetic Clay Liner Market dynamics
3.7.1. Market driver analysis
3.7.1.1. Growth of construction industry
3.7.1.2. Rising mining industry
3.7.1.3. Positive outlook towards shale gas production
3.7.2. Market restraint analysis
3.7.2.1. Blockage and clogging of geosynthetics
3.8. Geosynthetic Clay Liner Market key opportunities prioritized
3.9. Substitution threat from conventional clay liners
3.10. Geosynthetic Clay Liner Market Porter’s analysis
3.11. Geosynthetic Clay Liner Market competitive landscape, 2014
3.12. Geosynthetic Clay Liner Market PESTEL analysis

4. Geosynthetic Clay Liners Application Outlook
4.2. Containment & Wastewater Treatment
4.2.1. Market estimates and forecast, 2012 - 2022
4.2.2. Market estimates and forecast, by region, 2012 - 2022
4.3. Landfill
4.3.1. Market estimates and forecast, 2012 - 2022
4.3.2. Market estimates and forecast, by region, 2012 - 2022
4.4. Roadways & Civil Construction
4.4.1. Market estimates and forecast, 2012 - 2022
4.4.2. Market estimates and forecast, by region, 2012 - 2022
4.5. Others
4.5.1. Market estimates and forecast, 2012 - 2022
4.5.2. Market estimates and forecast, by region, 2012 - 2022

5. Geosynthetic Clay Liners Regional Outlook
5.1. Global Geosynthetic Clay Liner Market share by region, 2014 & 2022
5.2. North America
5.2.1. Market estimates and forecast, 2012 - 2022
5.2.2. Market estimates and forecast, by application, 2012 - 2022
5.2.3. U.S.
5.2.3.1. Market estimates and forecast, 2012 - 2022
5.2.3.2. Market estimates and forecast, by application, 2012 - 2022
5.3. Europe
5.3.1. Market estimates and forecast, 2012 - 2022
5.3.2. Market estimates and forecast, by application, 2012 - 2022
5.3.3. Germany
5.3.3.1. Market estimates and forecast, 2012 - 2022
5.3.3.2. Market estimates and forecast, by application, 2012 - 2022
5.4. Asia Pacific
5.4.1. Market estimates and forecast, 2012 - 2022
5.4.2. Market estimates and forecast, by application, 2012 - 2022
5.4.3. China
5.4.3.1. Market estimates and forecast, 2012 - 2022
5.4.3.2. Market estimates and forecast, by application, 2012 - 2022
5.4.4. Australia
5.4.4.1. Market estimates and forecast, 2012 - 2022
5.4.4.2. Market estimates and forecast, by application, 2012 - 2022
5.5. Latin America
5.5.1. Market estimates and forecast, 2012 - 2022
5.5.2. Market estimates and forecast, by application, 2012 - 2022
5.5.3. Brazil
5.5.3.1. Market estimates and forecast, 2012 - 2022
5.5.3.2. Market estimates and forecast, by application, 2012 - 2022
5.6. Middle East & Africa (MEA)
5.6.1. Market estimates and forecast, 2012 - 2022
5.6.2. Market estimates and forecast, by application, 2012 - 2022
5.6.3. Saudi Arabia
5.6.3.1. Market estimates and forecast, 2012 - 2022
5.6.3.2. Market estimates and forecast, by application, 2012 - 2022
6. Competitive Landscape
6.1. GSE Holdings
6.1.1. Company Overview
6.1.2. Financial Performance
6.1.3. Product Benchmarking
6.1.4. Strategic Initiatives
6.2. CETCO
6.2.1. Company Overview
6.2.2. Financial Performance
6.2.3. Product Benchmarking
6.2.4. Strategic Initiatives
6.3. Climax
6.3.1. Company Overview
6.3.2. Financial Performance
6.3.3. Product Benchmarking
6.3.4. Strategic Initiatives
6.4. Layfield
6.4.1. Company Overview
6.4.2. Financial Performance
6.4.3. Product Benchmarking
6.4.4. Strategic Initiatives
6.5. Polyfabrics Australia Pty Ltd
6.5.1. Company Overview
6.5.2. Financial Performance
6.5.3. Product Benchmarking
6.5.4. Strategic Initiatives
6.6. Geosyntech
6.6.1. Company Overview
6.6.2. Financial Performance
6.6.3. Product Benchmarking
6.6.4. Strategic Initiatives
6.7. Terrafix
6.7.1. Company Overview
6.7.2. Financial Performance
6.7.3. Product Benchmarking
6.7.4. Strategic Initiatives
6.8. HUESKER Synthetic GmbH
6.8.1. Company Overview
6.8.2. Financial Performance
6.8.3. Product Benchmarking
6.8.4. Strategic Initiatives
6.9. Wall Tag Pte Ltd.
6.9.1. Company Overview
6.9.2. Financial Performance
6.9.3. Product Benchmarking
6.9.4. Strategic Initiatives
6.10. Gorantla Geosynthetics Pvt. Ltd.
6.10.1. Company Overview
6.10.2. Financial Performance
6.10.3. Product Benchmarking
6.10.4. Strategic Initiatives

List of Tables
Table 1 Geosynthetic Clay Liner Market - Industry Summary and Key Buying Criteria, 2012 – 2022
Table 2 Global Geosynthetic Clay Liner Market estimates and forecast, 2012-2022, (Million Square Meters) (USD Million)
Table 3 Global Geosynthetic Clay Liner Market volume, by region, 2012 - 2022 (Million Square Meters)
Table 4 Global Geosynthetic Clay Liner Market revenue, by region, 2012 – 2022, (USD Million)
Table 5 Global Geosynthetic Clay Liner Market volume, by application, 2012 - 2022 (Million Square Meters)
Table 6 Global Geosynthetic Clay Liner Market revenue, by application, 2012 – 2022 (USD Million)
Table 7 Vendor landscape
Table 8 Raw material cost, (USD per Square Meter)
Table 49 Australia Geosynthetic Clay Liner Market estimates and forecast, 2012 - 2022 (Million Square Meters) (USD Million)
Table 50 Australia Geosynthetic Clay Liner Market volume, by application, 2012 - 2022 (Million Square Meters)
Table 51 Australia Geosynthetic Clay Liner Market revenue, by application, 2012 - 2022 (USD Million)
Table 52 MEA Geosynthetic Clay Liner Market estimates and forecast, 2012 - 2022 (Million Square Meters) (USD Million)
Table 53 MEA Geosynthetic Clay Liner Market volume, by application, 2012 - 2022 (Million Square Meters)
Table 54 MEA Geosynthetic Clay Liner Market revenue, by application, 2012 - 2022 (USD Million)
Table 55 Saudi Arabia Geosynthetic Clay Liner Market estimates and forecast, 2012 - 2022 (Million Square Meters) (USD Million)
Table 56 Saudi Arabia Geosynthetic Clay Liner Market volume, by application, 2012 - 2022 (Million Square Meters)
Table 57 Saudi Arabia Geosynthetic Clay Liner Market revenue, by application, 2012 - 2022 (USD Million)

List of Figures

Figure 1 Geosynthetic Clay Liner Market segmentation
Figure 2 Global Geosynthetic Clay Liner Market, 2012 - 2022 (Million Square Meters) (USD Million)
Figure 3 Geosynthetic Clay Liner Market value chain analysis
Figure 4 Global polypropylene production, 2009-2014, (Million Tons)
Figure 5 Global polypropylene market, by application, 2014
Figure 6 Global bentonite production, 2009-2013, (Million Tons)
Figure 7 Geosynthetic Clay Liner Market dynamics
Figure 8 Construction industry growth in Asia Pacific, 2015-22
Figure 9 Global merger and acquisition (M&A) in mining industry, 2007-14 (%)
Figure 10 China and Australia mining industry, 2009-14, (USD Billion)
Figure 11 Global shale gas production, excluding North America, 2012-2022, (Billion Cubic Meters)
Figure 12 U.S. shale gas production, 2009-2014, (Billion Cubic Feet)
Figure 13 Geosynthetic Clay liners key opportunities prioritized
Figure 14 Geosynthetic Clay Liner Market Porter's analysis
Figure 15 Geosynthetic Clay Liner Market PESTEL analysis
Figure 16 Global Geosynthetic Clay Liner Market volume share by application, 2014 & 2022
Figure 17 Global Geosynthetic Clay Liner Market volume share by region, 2014 & 2022

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3616696/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Geosynthetic Clay Liner Market Analysis By Application (Containment & Wastewater Treatment, Landfill, Roadways & Civil Construction) And Segment Forecasts To 2022
Web Address: http://www.researchandmarkets.com/reports/3616696/
Office Code: SCH33QP3

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Product Format</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single User</td>
<td>Electronic (PDF)</td>
<td>USD 4700</td>
</tr>
<tr>
<td>Site License</td>
<td>Electronic (PDF)</td>
<td>USD 8000</td>
</tr>
<tr>
<td>Enterprisewide</td>
<td>Electronic (PDF)</td>
<td>USD 10500</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr  [ ] Mrs  [ ] Dr  [ ] Miss  [ ] Ms  [ ] Prof
First Name: _____________________________ Last Name: _____________________________
Email Address: * _____________________________
Job Title: _____________________________
Organisation: _____________________________
Address: _____________________________
City: _____________________________
Postal / Zip Code: _____________________________
Country: _____________________________
Phone Number: _____________________________
Fax Number: _____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World