

# **Global Basalt Composites Market by End Use Industry (Building & Construction, Transportation, Marine, Wind Energy, and Others), by Manufacturing Process (Pultrusion, Filament Winding, and Others), and by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2016 – 2021**

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## **Abstracts**

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the basalt composites market over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

### **The Global Basalt Composites Market: Highlights**

Basalt composites contain basalt fibers as a reinforcement and epoxy or polyester resin system as a matrix. Basalt fibers are produced from hard and dense volcanic rock that are abundantly available in most of the countries across the globe. Currently, Russia and Ukraine are the largest producers of basalt fibers worldwide. There is also a remarkable work going on related to the production of basalt fibers in China. At present, most of the Chinese players are running at very low production capacity which is expected to increase over the next five years.

Basalt composites offer several benefits over its nearest rival E-glass composites, such as a specific strength 40% higher than E-glass, and a specific stiffness 20% higher than

the glass composite. The basalt composite is also naturally resistant to ultraviolet (UV) and high-energy electromagnetic radiation, maintain their properties in cold temperature, and provides better acid resistance.

Composites industry has not yet leveraged the full potential of basalt composites due to the dominance of glass fiber, inconsistent properties of basalt fibers, high cost, and the most importantly bureaucratic approach towards basalt fiber acceptance. Glass fibers have an excellent track record and well proven technology whereas parts fabricators have less knowledge about the advantages of basalt fibers and are very much reluctant on using it.

Recently, industry noticed an increasing interest in the development of basalt composites for acidic and corrosion applications, such as rebar and seawall for sea shore applications. This is driving composite parts fabricators to develop parts with basalt composites. The global basalt composites market is expected to experience an impressive CAGR of 8.8% during the forecast period of 2016 to 2021. Higher performance than e-glass composites, excellent corrosion resistance, and technology development are some of the major growth drivers of basalt composites market.

Building and construction segment is expected to remain the largest end industry for basalt composites during the forecast period. The segment is also likely to experience the fastest growth over the next five years. Basalt composite based rebar is one of the most attractive applications in building & construction segment. Transportation segment is also likely to experience a healthy growth rate over the next five years.

There are several manufacturing processes available for making parts with basalt composites in which pultrusion is the most popular one. The process is expected to remain the most dominant manufacturing process during the forecast period and is highly suitable for manufacturing rebars and sea walls. Other key manufacturing processes include filament winding and resin infusion.

Europe is expected to remain the largest market for basalt composites during the forecast period. Russia and Ukraine drive the demand of basalt composites market in the European region. There are several composite part fabricators in Russia and Ukraine using basalt composites and serving various industries. Asia-Pacific is the fastest growing market for basalt composites. China is the growth engine of the Asia-Pacific market during the forecast period. Market entry of several players and high focus on basalt composites are likely to drive the demand in China.

The supply chain of this market comprises raw material suppliers, basalt fiber manufacturers, resin suppliers, part fabricators, distributors, OEMs, and end users. The global basalt composites market is moderately consolidated with presence of very limited players. The key basalt composite manufacturers are Technobasalt, GBF Basalt Fiber Co. Ltd, Asamer Basaltic Fibers, and Sudaglass Fiber Technology. New product development, regional expansion, and long term relations are the key strategies adopted by the major players to gain competitive edge in the market.

## Research Methodology

This report offers high quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 400 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. More than 10 detailed primary interviews with the market players across the value chain in all the four regions and industry experts are usually executed to obtain both the qualitative and quantitative insights.

## Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis.

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis.

Market trend and forecast analysis.

Market segment trend and forecast.

Competitive landscape and dynamics: Market share, product portfolio, product launches, etc.

Attractive market segments and associated growth opportunities.

Emerging trends.

Strategic growth opportunities for the existing and new players.

Key success factors.

The Basalt Composites market is segmented into the following categories.

Global Basalt Composites Market by End Use Industry Type:

Building & Construction (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Transportation (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Marine (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Wind Energy (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Others (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Global Basalt Composites Market by Manufacturing Process Type:

Pultrusion Process (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Filament Winding Process (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Other Processes (Regional Analysis: North America, Europe, Asia-Pacific, and Rest of the World)

Rest of the World)

#### Global Basalt Composites Market by Region:

North America (Country Analysis: US, Canada, and Mexico)

Europe (Country Analysis: Germany, France, United Kingdom, Italy, and Rest of the Europe)

Asia – Pacific (Country Analysis: China, Japan, South Korea, India, and Rest of the Asia-Pacific)

Rest of the World (Country Analysis: Brazil, Middle East, and Others)

#### Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

#### Company Profiling

Detailed profiling of additional market players (up to 3)

SWOT analysis of key players (up to 3)

#### Market Segmentation

Current market segmentation of any one of the end use industry type by manufacturing process type

#### Competitive Benchmarking

Benchmarking of key players on the following parameters: Product portfolio, geographical reach, regional presence, and strategic alliances

Custom Research: Stratview research offers custom research services across the sectors. In case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your enquiry at [sales@stratviewresearch.com](mailto:sales@stratviewresearch.com).

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