

The Future in Construction

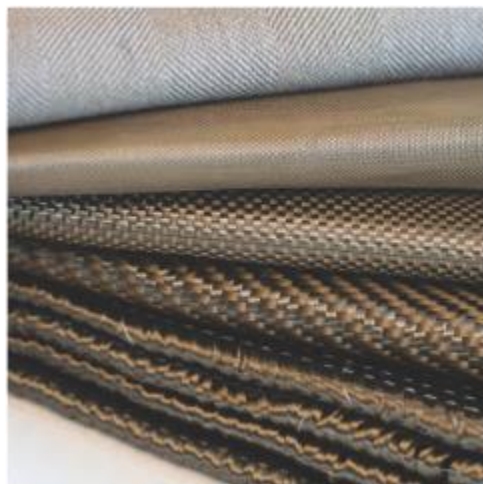
## Basaltfiber Products

A natural high performance material



## **Basalt Fibertec**

### **The innovative technology & trading company**



Our comprehensive knowledge from the textile industry, together with the know-how about Basalt as a raw material, the production and possible applications of Basalt products, as well as many years of experience in the fields of concrete, asphalt and composite materials, make Basalt Fibertec competent partner. Together with internationally active institutes and companies, we are developing - in several research projects - the basis for the commercial use of Basalt products in the road, tunnel and bridge construction in Europe. For our customers we develop and produce new products for our customers in accordance with their requirements.

### **Basalt fibers for civil construction, industry, textile, agriculture and maritime applications**

Endless filament are spun from the glowing melt of basalt rock in a single operation. Depending on further processing, the filaments are wound, twisted, twined or cut into pieces.

The characteristic dark-green colour is given to the fiber through from the olivine in the rock. Basalt fibers are the material of the 21st century – a natural high performance material.

There is hardly to find an industry where this natural, up to several million years old material cannot be used.

The fiber is resistant to corrosion, chemicals, temperature, and UV-light. Basalt products are suitable as substitute for steel in construction industry.



### Why basalt fiber products?

Basalt products are over **three times stronger** than steel reinforcement with the same diameter and **three times lighter** and: Basalt does not corrode - unlike steel.

*«Basaltfibers are climate-frindly! In production, they require 80% less energy than carbon fibers and 30% less than glass Fibers»*

### Our performance program

#### Our services

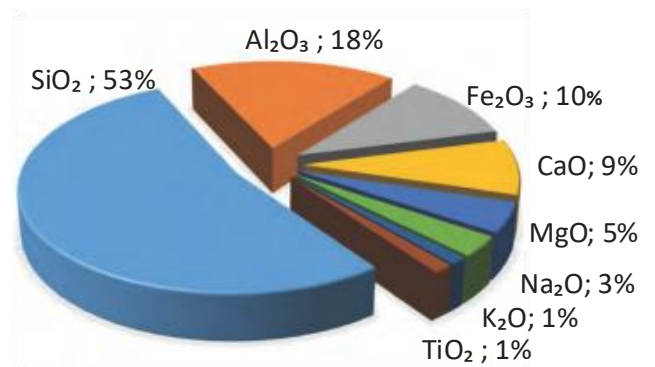
- Development, production and distribution of Basalt fiber products
- Customized developments
- Complete range of products, based on basalt Fibers

#### Our large assortment

- All kind of fabrics and geogrids mesh
- Chopped fibers, sticks and mini rebars
- Basalt anchor systems
- Ribars for concret reinforcement
- All kind of yarns, texturized or twisted
- Braided and woven hoses for heat protection
- Profiles in poltrusion process
- Mats and plates for sound and heat insulation in confined pace
- Basalt fleece for agriculture
- Ropes for maritime applications

#### Special products

- Fireblocker in Jacquard technology for aircraft seat cushions
- Floor panels for railway carriages
- Radiation shelding and reinforcing fabrics
- Basalt lamellas for reinforcing concrete and wooden seilings



## Who we are?



In 2019, Ruedi Leutert and his partner at the time began to relaunch the basalt fiber products business in Switzerland, Germany and Austria.

Convinced of the unique properties and possible applications of basalt as a raw material, also in connection with sustainability, we have set ourselves the goal of offering our customers all possible products made of basalt.

LEM Consulting GmbH in Langenthal is responsible for development, production and sales. The high-quality basalt base products are manufactured in China.

The noble, dark green-olive basalt fibers from almost inexhaustible deposits can be used in almost all industries.

We will be happy to advise you on the specification, processing and finishing of the yarns / fabrics. If you have any questions regarding resin systems and matrix, our proven specialist will be happy to provide you with information.

## How to reach us

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