Basalt Products

A natural high performance material
Our sound knowledge from the *textile industry*, together with the know-how about *basalt as a raw material*, production and possible applications of *basalt products*, as well as many years of experience in the fields of *concrete*, *tunnelling* and *composite materials*, make the Basalt Fibertec GmbH to a competent partner.

Together with internationally operating institutes and companies we develop in several research projects the basics for the commercial use of the basalt products in the road, tunnel and bridge construction in Europe.

For our customers we develop and produce new products according to their requirements.

**Basalt fibres for construction, transport, safety & sports**

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

The characteristic dark green colour is given to the fiber through the existing of the olivine in the rock.

Basalt fibres are the material of the 21st century – a natural high performance material. There is hardly an industry where this natural, up to several millions Years old material cannot be used.

The fiber is corrosion-, chemical- and temperature-resistant. All applications firstly, basalt products are suitable as steel substitutes in the construction industry.
Why Basalt fibre products?

Basalt products are over **three times stronger** than steel reinforcements with the same diameter and **three times lighter**.

In addition: Basalt **does not corrode**, unlike steel.

**Our performance program**

**Our services**
- Development, production and distribution of Basalt Fiber products
- Customized developments
- Building up knowledge about basalt fibres in the construction industry in training courses, seminars and workshops
- Complete range of products based on basalt fibres

**Our large assortment**
- Geogrids and geogrid mesh reinforcement
- Fibers for the reinforcement of asphalt and concrete
- Basalt anchor systems and self-drilling anchors
- Yarns; fine basalt yarns for filter fabrics up to heavy rovings for the composite industry
- Knitted hoses for heat protection
- Profiles in pultrusion process
- Mats and plates for sound and heat insulation in confined spaces

**Special products**
- Fireblocker in Jacquard technology for aircraft seat cushions
- Floor panels for railway carriages
- Radiation shielding and reinforcing fabrics
- Basalt lamellas for reinforcing concrete and wooden ceilings

«**Basalt is climate-friendly! In the production basaltic fibres require 80% less energy than carbon fibers and 30% less than glass fibers.**»

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Who we are?

Cédric Thalmann, engineering geologist and Ruedi Leutert, textile engineer founded the Company Basalt Fibertec GmbH in the conviction, to lead an ingenious natural product from the a shadowy existence in the deserved spotlight.

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

We are happy to advise you on yarn specifications, processing and finishing.

For questions regarding resin systems / matrix our proven specialist will be happy to provide you with information.

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