

Solutions for **acoustic** and **heat insulation.**



GASKETS

TECHNICAL TEXTILES

EXPANSION JOINTS

INSULATION

NEW MATERIALS



creating
hightech
solutions

Acoustic solutions

As a major supplier of technical textiles for use in gaskets and thermal insulation we help our customers to increase their competitive edge over their competitors.

Frenzelit has been developing and manufacturing textiles which are capable of withstanding high temperatures for more than 50 years. We listen to customer requirements, and give pro-active support throughout the development, sampling and manufacturing processes.

Your advantage: You, the customer, benefit not only from our technical knowledge but also from our decades of experience in application engineering.

There are six basic acoustic solution product lines offered by Frenzelit, each with different temperature limits and numerous product types – perfectly adapted to their particular application.

Innovations made by Frenzelit

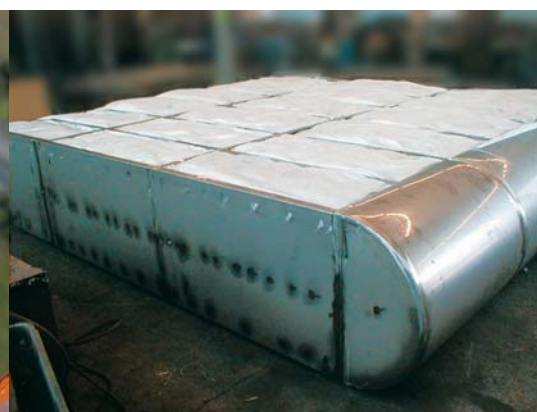
Continuous improvement is essential in order to remain competitive in today's market. Frenzelit has extensive research and development facilities where new products are fully tested prior to introduction to the marketplace. Where customers provide time constraints we are able to offer timely customer support to ensure solutions are found and new technologies are implemented on time and within budget. These are the outstanding features of "innovations made by Frenzelit".

Application areas

Noise has become an increasing concern in peoples' private and professional lives. Noise is a hazard to health, disturbs concentration and has been the subject of serious study.

Together with our partners, customised soundproofing solutions are developed and produced for industrial applications, particularly gas turbines and aircraft test cells. Frenzelit supplies products for them such as insulation pillows manufactured in-house from special acoustic fabrics having a high temperature resistant treatment and infill materials made from glass or silica fibre needlemats and Gas Turbine Basalt provided by our partner company.

All our basalt products have been tested and approved by external recognised test centres for use in the gas turbine industry.



Production

Cabling of glass fibre yarns for the production of our special fabrics



Production of our isoGLAS® and isoTHERM® fabrics for use in pillow production.



The pillow fabrics are designed and finished in accordance with our customers' specifications.

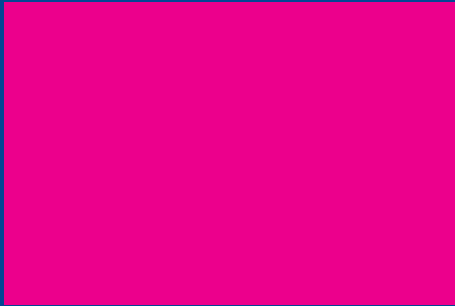


The pillow filling is chosen according to the acoustic requirements of the installation. The density and shape of the pillow is designed so that the final product can easily be installed with minimum labour costs.



isoGLAS®-fabric AF 300

weight: 295 g/m² / thickness: 1.0 mm /
max. temperature resistance: 650 °C



isoTHERM®-fabric AF 300 HT

weight: 300 g/m² / thickness: 1.0 mm /
max. temperature resistance: 800 °C



isoGLAS®-needlemat AM 30

weight: 330 g/m² / thickness: 3.5 mm /
max. temperature resistance: 650 °C



isoTHERM®-needlemat AM 35 HTS

weight: 330 g/m² / thickness: 3.5 mm /
max. temperature resistance: 1100 °C



isoGLAS®-fabric 165/6 GE approved

weight: 160 g/m² / thickness: 0.2 mm /
max. temperature resistance: 650 °C



isoGLAS®-fabric 204

weight: 200 g/m² / thickness: 0.2 mm /
max. temperature resistance: 650 °C



Do you have any questions about your application?

The technical textiles information service will help you:

textile@frenzelit.de

Applications

Power industry

Inlet/exhaust silencers for

- Gas turbines
- Industrial turbines
- Boilers
- HRSGs
(heat recovery steam generators)

Aviation industry

Inlet/exhaust silencers for

- Engine test cells
(hush houses)
- Aircraft test facilities

Good for people and environment.

Frenzelit has obtained certification that the company complies with the requirements of both ISO/TS 16949 and ISO 14001. This means complete transparency in all areas and a high degree of security for our customers.

Quality management

ISO/TS 16949

Environmental management

ISO 14001

Further sealing and insulating products from Frenzelit

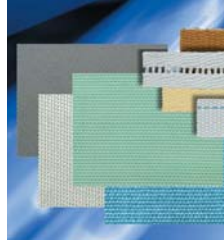
Technical needlemats

for thermal and acoustic insulation and the filtration industry



Technical tapes and woven fabrics

for sealing and insulation



novaSEAL®

Boiler and tank rings



Tadpole tapes, wound packings and layered tapes

for sealing applications



Technical cords and braids

for sealing and insulation



Thermal blankets

to protect people and property



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