

isoGLAS® FTI

Insulating fire protection fabric

EI 30 / EI 60 / EI 90



GASKETS

TECHNICAL TEXTILES

EXPANSION JOINTS

INSULATION

NEW MATERIALS

 **Frenzelit**  
creating hightech solutions

# Flexible. Light. Textile. We make the alternative your first choice.

What qualities does textile fire protection need to have, in order to be a genuine alternative to roll-up doors? Frenzelit has now provided the answer to this question – with the development of isoGLAS® FTI. A textile solution at long last! It will start a whole new era for fire protection in public buildings.

## A completely new approach to textile fire protection

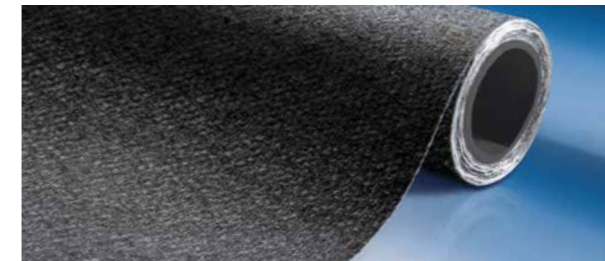
The market has been looking for flexible textile solutions for years now. They need to be light. And satisfy all fire protection requirements with no compromises. We have now tackled this assignment again in co-operation with leading European system manufacturers. The result: a

textile with very special properties. Its name: isoGLAS® FTI. It insulates reliably in line with EI 30 / EI 60 / EI 90. And performs impressively as regards low weight, flexibility and minimum space requirement. The genuine alternative to metal components. You have been waiting for this for a long time, haven't you?



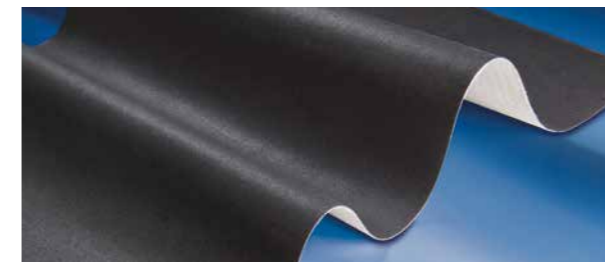
## Thin & exceptionally light

Barely 6,000 g per square metre – the new lightweight solution in the fire protection field has many advantages. The minimal demands on building structures, for example. Or the opportunity to use boxes with smaller dimensions now too. The reason for this: our innovative composite material is extremely thin. But guarantees reliable insulation even so.



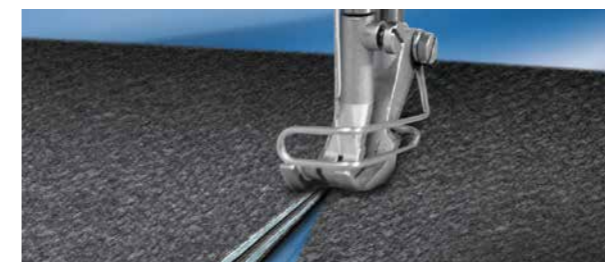
## Smooth rolling

Simple to transport, simple to store, simple to process, simple to handle. The smooth rolling performance of isoGLAS® FTI is a major advantage as it increases the efficiency of your operations.



## Highly flexible

isoGLAS® FTI gives you more options. Greater flexibility to adapt to special aesthetic architectural features. To close very large wall openings. To incorporate invisible systems in dropped ceilings. To segment entire buildings. To satisfy the most unusual of requests made by customers.



## Easy customisation

Unusual dimensions? Extremely large widths? Great! Because the new composite material has an extremely smart design. So that it is surprisingly easy to process. On all machines. With all the required dimensions.



## Economical

Why isoGLAS® FTI is comparatively inexpensive? Because the lightweight fire protection material from Frenzelit reduces your material and sewing needs substantially. And is much easier to process overall than other textiles you are familiar with.

Fire protection fabrics from Frenzelit have been setting standards for more than six decades now. All over the world. We have been an innovation driver for 130 years – whenever requests made and questions raised by our customers need to be implemented in products the market wants.

## Insulation thickness

Outstanding insulation properties – extremely thin material? At Frenzelit, this is not a contradiction in terms. In the case of a fire, the innovative isoGLAS® FTI composite material expands to many times its coating thickness.



# What counts most in fire protection? Safety.

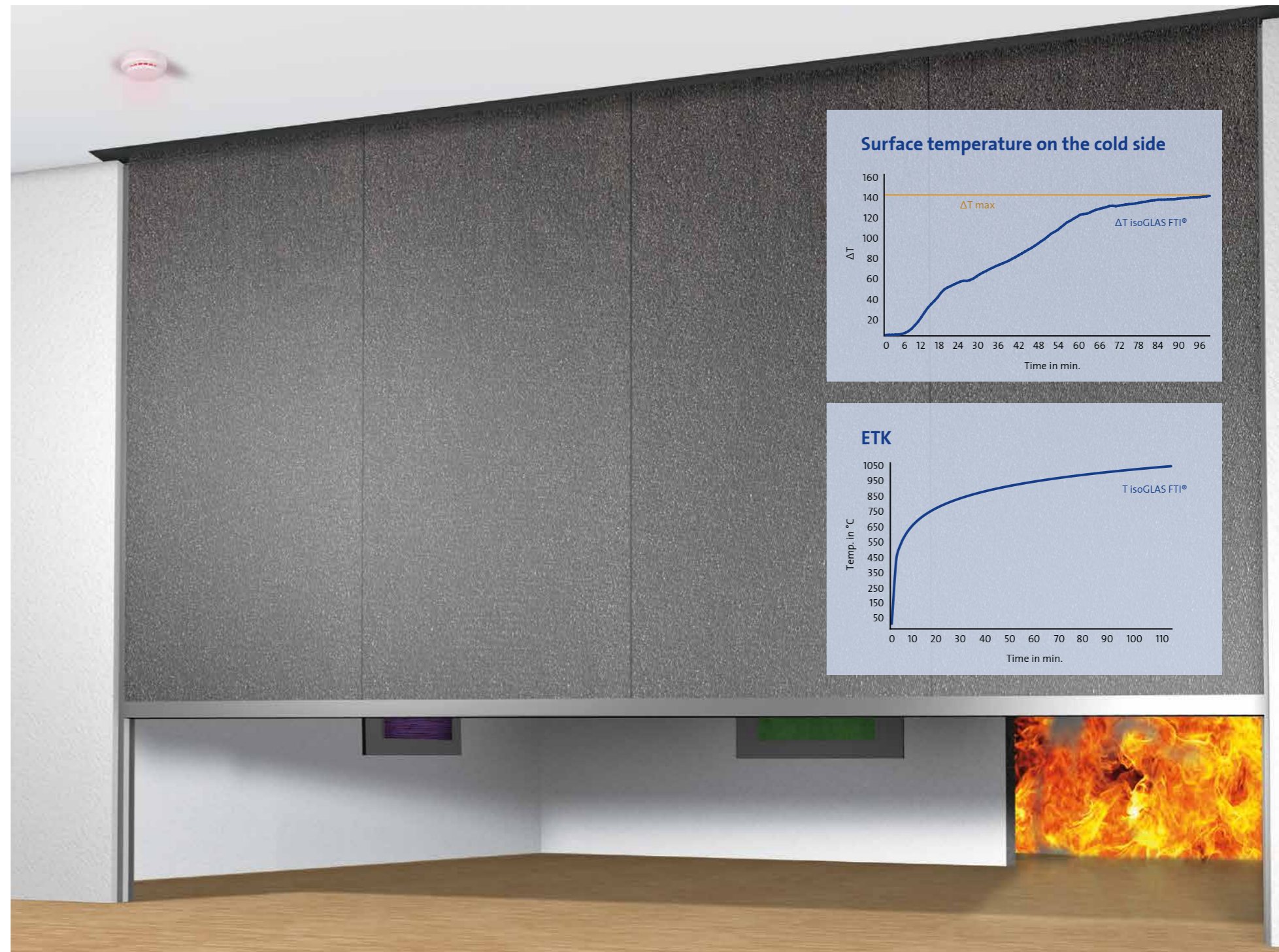
As a manufacturer of roll-up doors, fire protection curtains or other fire protection systems, you need to be able to rely on one thing in particular: the safety of the material used. With isoGLAS® FTI, you reach the EI level you require. One hundred per cent.

## More than EI 30 / EI 60 / EI 90

Frenzelit is one of the most advanced companies in the high-temperature insulation field. Anywhere in the world. For more than 60 years now, we have been driving the development of increasingly effective material properties and finishing processes. Throughout this time, we have always considered ourselves to be our customers' colleagues. Creative partners searching for the best and, in many cases, completely new solutions. In order to guarantee our customers the competitive edge they need to make them successful on the market.



The innovative fire protection fabric can be used very flexibly. Where lamination is concerned too, incidentally: the top layer can be supplied as required – e.g. with your company logo.



## The new advantages

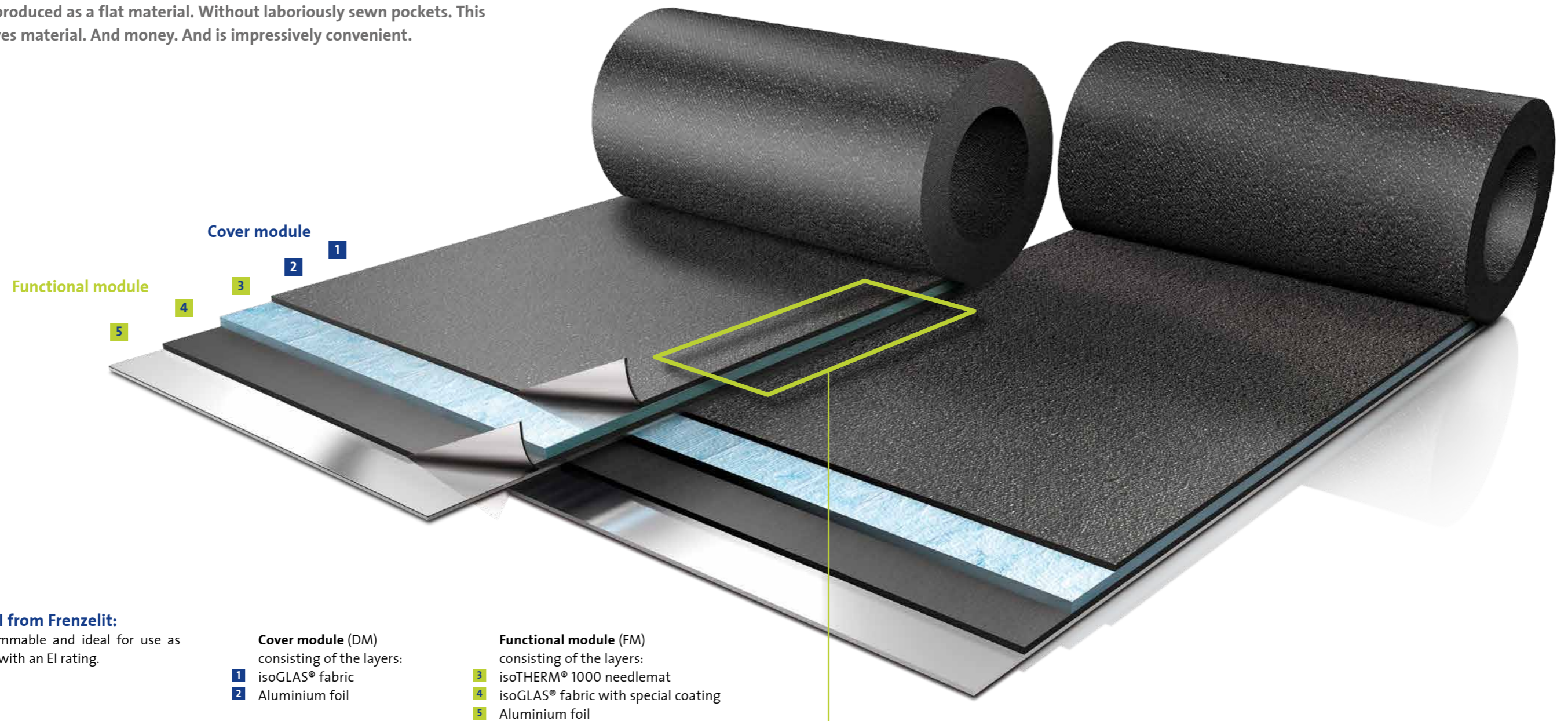
- EI 30 / EI 60 / EI 90 (based on DIN EN 1634-1)
- Innovative fabric combination
- Expansion to many times the coating thickness
- Extremely thin and light
- Flexible customisation of the material in reels
- Outstanding processing properties

## Application areas

- Variable for all dimensions
- For large wall openings and open room concepts too
- Building segmentation
- Invisible installation in dropped ceilings
- Installation around corners
- Rolling technology

# Your new EI 30 / EI 60 / EI 90 solution has numerous advantages. The most important of them: you save time. And money.

What makes the new textile for fire protection curtains so unique? One reason is: it can be produced as a flat material. Without laboriously sewn pockets. This is new. It saves material. And money. And is impressively convenient.

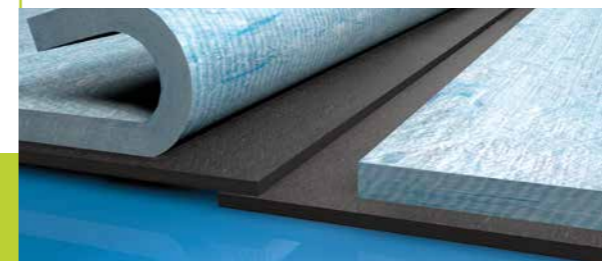


## isoGLAS® FTI from Frenzelit:

Highly non-flammable and ideal for use as fire protection with an EI rating.

- Cover module (DM)**  
consisting of the layers:
- 1 isoGLAS® fabric
  - 2 Aluminium foil

- Functional module (FM)**  
consisting of the layers:
- 3 isoTHERM® 1000 needlemat
  - 4 isoGLAS® fabric with special coating
  - 5 Aluminium foil



$$2DM + \sum_{n=1}^{n=y} FM = EI (30, 60, 90)$$

Any EI protection rating can be achieved thanks to the modular structure.


Smart customisation is possible. In every layer. Simply, flexibly and inexpensively – these were the main demands made on development of the new EI solution. A key feature guaranteeing this: the processing. isoGLAS® FTI can be processed as a flat material. In whatever size is required. And horizontally just as effectively as vertically.

Sewing complicated pockets? Need for large amounts of material as a result? A thing of the past. Because the insulating properties of our smart fabric are incorporated directly in the material. Which is very simple to customise.

# Good for people and the environment.

Quality assurance and environmental responsibility are central requirements in all the processes carried out at our company. Throughout the entire life cycle of our products. The Technical Textiles Division has obtained certification of its compliance with the international quality management standard, the quality standard issued by the European and American automotive industry, the global environmental management standard and the marine work safety association Module D.

## Quality management

- ISO 9001
- ISO/TS 16949
- Marine work safety association  
Module D 

## Environmental management

- ISO 14001

## Energy management

- ISO 50001

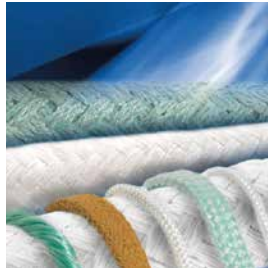


## Further sealing and insulating products from Frenzelit.

**Technical needlemats**  
for thermal and acoustic insulation and the filtration industry



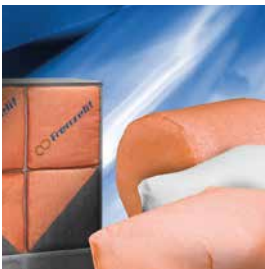
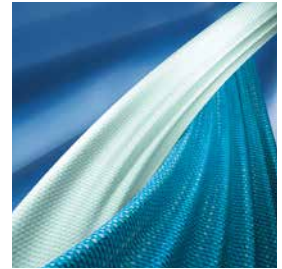
**Technical cords and braids**  
for sealing and insulation



**novaSEAL®**  
Boiler and tank rings



**Technical tapes and fabrics**  
for insulation and fire protection



**Acoustic Solutions**  
for acoustic and heat insulation



**Thermal blankets**  
to protect people and property



**Engineered Textile Solutions**  
for thermal and acoustic insulation

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