



KLEVERS Fire curtains

Textile shields for the future of fire protection

Smoke curtains and fire curtains are key components of preventive fire protection. They serve to create fire and smoke compartments in buildings and protect people, property, as well as escape and rescue routes. As a manufacturer of technical high-temperature fabrics made from, among others, glass fibers, we provide the foundation for innovative fire protection systems - high-temperature-resistant, tested materials that comply with the required fire resistance classes. Optimized weaves and advanced coatings support modern, efficient fire protection systems (E, EW, EI). Lighter and more adaptable than steel, fire curtains integrate seamlessly into contemporary architecture, meeting the demand for flexible, discreet fire protection.

Possible Certifications

A large selection of our fabrics meet the European requirements for fire protection and are certified in accordance with DIN EN 13501 for the fire classification of construction products and building elements: A2-s1, d0 (also M0, M1)

Technical Data Fabrics

KlevoGlass & KlevoGlass texo with or without wire reinforcement

- + Silicone coating
- + PU/PVA coating
- + coated with Aluminiumfoil

Effect textured ITEX fabric wire reinforced for high isolation values

- + multilayer option
- + coated with Aluminiumfoil

KLEVERS

Innovation & Safety

with our advanced intumescent glass fabric

Conduction, convection and radiation in just one layer

With its innovative multi-layer design, our new advanced intumescent flexible glass fabric sandwich structure sets new standards in safety and efficiency. Built from a smart combination of aluminum foils, fiberglass fabric with wire reinforcement and intumescent bonding layers it delivers superior protection by addressing all three mechanisms of heat transfer.

When exposed to heat, the special intumescent adhesive combining both textile layers expands into a highly effective insulating layer filled with microscopic air pockets. Forming a stable network of foamed carbon, this unique barrier dramatically slows the transfer of heat and prevents flames from breaking through. Meanwhile, reflective aluminum layers on both sides act like a shield, bouncing back radiant heat for extra protection.

Unlike conventional multi-layer systems, which are stitched together and prone to wear, our development features a fully bonded structure. This eliminates weak points and avoids mechanical friction. At the same time, installation and further processing are easier, as all performance layers come integrated in one compact and elegant system.

Technical Data

Thickness: 2,3 mm

Weight: 1730 g/m²

Strength values of 1000 N/cm warp & weft


Expansion temperature: 180-220 °C

7 to 10 x increase in volume


Possible Certifications

Multilayer designs aimed for EW & EI curtain systems enable smoke and flame barriers as well as thermal insulation

Suitable for use in fire protection according to standard temperature curve up to 1,200 degrees



After Heat Exposure



Before Heat Exposure