

Classification E (normal flammability) according to DIN EN 13501-1
European Technical Assessment ETA-18/0538

Product Description

KERAFIX® FLEXpremium H is a flexible, intumescent material on the basis of expandable graphite, which expands under high pressure when heat is applied.

Special feature:

In case of fire it will expand into a highly pressure-resistant and stable mass.

KERAFIX® FLEXpremium H is in most cases insensitive to moisture .



Application Areas

- Fire protection doors of wood, steel or aluminium
- Glazing
- Facades
- Safety storage cabinets, safes
- In drywall construction: inspection flaps, separating walls and floor constructions
- Component joints, heat insulation elements
- Pipe and cable insulation
- Gas stop valves, pneumatic drives

Technical Data

Composition:	halogen free, expanding construction material on the basis of expandable graphite
Material structure:	firm, flexible roll material
Bulk density [kg/m³]:	1300 (±100)
Start of reaction [°C]:	from approx. 175
Expansion rate [x times]:	17.4 to 26.2 (550 °C; 30 min.; with load)
Direction of action:	three-dimensional
Expanding body:	solid, stable mass
Expansion pressure [N/mm²]:	1.01 bis 1.68 (300 °C, method 4)
Thermal conductivity [W/mK]:	0.303 (at 10 °C)

Design Variants

KERAFIX® FLEXpremium H single-sided lamination with glass fabric, black

Variant SK: single-sided adhesive

Variant DF: single-sided lamination with PVC foil in different colours

Further variants on request.

Standard colours for films and sheeting: red, black and white; more colours on request.

Supply Formats

Standard lengths: 25000 mm and 50000 mm

Widths: up to 320 mm (widths > 320 mm on request)

Thicknesses: 1.5 mm and 2.0 mm (special thicknesses available on request)

Special formats are available on request. The cut formats (lengths x widths) are manufactured on the basis of the general tolerance DIN ISO 2768-1-c. The formed parts and stamped parts are manufactured on the basis of the general tolerance DIN 7715-5-p2. Please observe the safety data sheet.

Note

The information in this brochure is based on our knowledge and experience to date. This information does not release the user from carrying out independent tests and trials due to the various influences when processing and applying our product. It is not possible to derive a guarantee of certain properties or suitability of the product in a concrete application case based on our information. All the descriptions, drawings, photographs, data, conditions, weights etc. included may change without previous announcement; they do not constitute the contractually agreed property of the product. The recipient of our product is responsible to observe any trademark rights and existing laws and regulations.