

Classification E (normal flammability) according to DIN EN 13501-1
European Technical Assessment ETA-17/0959

Product Description

KERAFIX® Flexpress 100 is a flexible, intumescent material on the basis of expandable graphite, which expands with high pressure when heat is applied.

Special feature: early start of reaction at approximately 140 °C.



Application Areas

- Fire protection doors of wood, steel or aluminium
- Glazing, facades
- Safety storage cabinets, control cabinets
- In drywall construction: inspection flaps, separating wall and floor constructions
- Component joints, heat insulation elements
- Fire protection flaps

Technical Data

Composition:	halogen free, expanding construction material on the basis of expandable graphite
Material structure:	firm roll material
Bulk density [kg/m³]:	1315 (±10 %)
Start of reaction [°C]:	from approx. 140
Expansion rate [x times]:	22 to 35 (450 °C; 30 min.; without load)
Direction of action:	three-dimensional
Expanding body:	soft, coherent mass
Expansion pressure [N/mm²]:	0.55 to 1.32 (300 °C, method 4)
Thermal conductivity [W/mK]:	0.452 (at 10 °C)

Design Variants

KERAFIX® Flexpress 100 without additional lamination

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: 25 000 mm and 50 000 mm

Widths: up to 320 mm

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.