

Kerafix® Flexpress 450 G

Classification E (normal flammability) according to DIN EN 13501-1

General building approval Z-19.11-2097

Product Description

Kerafix® Flexpress 450 G is a flexible, intumescent material on the basis of exfoliated graphite that foams up under pressure with thermal influence.



Application Areas

- Fire protection doors from wood, steel or aluminium
- Frames, door panels
- Glazing, facades
- Component grooves, heat insulation elements, fire protection flaps
- In drywall construction: Inspection flaps, separating walls and ceiling constructions
- Generally: Applications where early start of the reaction is desired

Technical Data

Composition:	Halogen free, foaming construction material on the basis of foaming graphite
Material structure:	Firm, flexible roll material
Raw density [kg/m ³]:	1210 (± 10 %)
Start of reaction [°C]:	From ca. 160
Foaming rate [x-times]:	12 to 22.5 times (550 °C; 30 min; with load)
Foaming pressure [N/mm ²]:	At least 0,6
Thermal conductivity [W/mK]:	0,447

Executed Variants

Kerafix® Flexpress 450 G without additional lamination

Variant GW:	One-sided laminated with textile tape
Variant GG:	One-sided laminated with glass fibre mesh

All variants – cut formats or formed parts (according to DIN 7715-5) may be equipped with various adhesive tapes.

Supplied Forms

Standard lengths:	25000 mm and 50000 mm (upon request, winding rolls up to 400000 mm are possible)
Widths:	Up to 320 mm
Thicknesses:	1.0 mm, 1.5 mm, 2.0 mm, 2.5 mm

Special formats are available on request. The product is manufactured on the basis of the general tolerance DIN ISO 2768-1. Please observe our information for processing and 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 trade mark rights and existing laws and regulations. Adhesive bonds are to be applied according to DIN 2304.