

Kerafix® Flexpress 100

Material of building material classification B2 (normal flammability) according to DIN 4102-1
Classification E (normal flammability) according to DIN EN 13501-1

General building approval Z-19.11-1488
European technical approval ETA-13/0109

Product Description

Kerafix® Flexpress 100 is a flexible, intumescent material on the basis of exfoliated graphite that foams up under pressure with thermal influence. Special features: Early beginning of reaction at about 140 °C.

Application Areas

- Fire protection doors from wood, steel or aluminium
- Glazing, façades
- Safe boxes, safes
- In drywall construction: Inspection flaps, separating walls and ceiling constructions
- Component grooves, heat insulation elements
- Fire protection flaps

Technical Data

Composition:	Halogen free, foaming construction material on the basis of foaming graphite
Material structure:	Firm roll material
Raw density [kg/m ³]:	1315 (± 10 %)
Start of reaction [°C]:	From ca. 140
Foaming rate [x-times]:	22 to 35 times (450 °C; 30 min; without load)
Direction of action:	Three-dimensional
Forming inflatable body:	Soft, coherent material
Foaming pressure [N/mm ²]:	At least 0,55 (value at 300 °C)
Thermal conductivity [W/mK]:	0,615

Executed Variants

Kerafix® Flexpress 100 without additional lamination

Variant DF:	One-sided laminated with PVC-foil in different colors
Variant E:	Completely encapsulated with PVC-foil
Variant GW:	One-sided laminated with textile tape

Standard colours for ceiling foils and sheeting: Red, black and white; more colours upon request.

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
Widths:	Up to 320 mm
Thicknesses:	0,5 mm to 3,2 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.

