

KERAFIX® Flexpress 100

Reactive materials

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.

Classification E (normal combustibility) in accordance with DIN EN 13501-1

Application Areas

- · Ships & offshore
- · 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

Delivery & Packaging

KERAFIX [®] Flexpress 100	
Standard lengths	25 000 mm and 50 000 mm
Widths	up to 320 mm
Standard thicknesses	1.5 mm and 2.0 mm (special thicknesses available on request)
Design variants	 without additional lamination single-sided adhesive single-sided lamination with PVC foil
KERAEIX [®] Elexpress 100 is available as rolls or strips. The cut formats	

KERAFIX[®] Flexpress 100 is available as rolls or strips. The cut formats (lengths × 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.

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KERAFIX® Flexpress 100

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 superimposed load)
Direction of action	three-dimensional
Expanding body	soft, coherent mass
Expansion pressure [N/mm ²]	0.55 to 1.32 (300 °C, method 4)
Thermal conductivity [W/m·K]	0.452 (at 10 °C)
Colour	black standard cover foil and coating colours for variant DF: red, black and white. Other colours on request.
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Safety information Certificates	Please observe the safety data sheet. European Technical Assessment ETA-17/0959

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