

## KERAFIX® FLEXPRESS 100

**Building Material classification B2 according to DIN 4102-1**

**Classification E 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 based on exfoliated graphite which has excellent expansion and thermal properties.



### Benefits

- Early activation temperature 140°C with expansion 22 to 35 : 1
- Forms stable char
- Solid flexible roll material
- Halogen free

### Areas of Application:

Fire doors – wood, steel & aluminium, glazing facades, construction joints, safe boxes, drywall construction, inspection flaps, separating walls and ceiling constructions, pipe ducts, component grooves, heat insulations elements, fire protection flaps and any gap requiring a fire seal

### Technical Data

Composition	Halogen free based on expandable graphite
Material Structure	Solid but flexible
Raw density (kg/m <sup>3</sup> )	1315 (±10%)
Start of expansion temperature	From 140°C
Expansion ratio	22 to 35 : 1 (450°C 30min without load)
Direction of action	Three dimensional
Forming Inflatable body	Soft coherent material
Expansion pressure (N/mm <sup>2</sup> )	At least 0.55 (value at 300°C)
Thermal conductivity (W/mK)	0.615
Colour	Anthracite grey

### Standard Forms – can be supplied with and without adhesive

Lengths                      supplied in rolls of 25 and 50m, can also be supplied in strips and sheets  
Widths                        up to 320mm  
Thickness                    0.8mm to 3mm

### Other variants as follows:

- one sided laminated with PVC in standard colours (red, black and white) - for other colours please ask
- one sided laminated with glass fibre mesh
- one sided laminated with textile tape

Cut shapes also available

Special formats available on request