

Classification E (normal combustibility) in accordance with DIN EN 13501-1
European Technical Assessment ETA-10/0117

Product Description

ROKU® Strip is a flexible, intumescent material on the basis of expandable graphite, which expands under high pressure when heat is applied.

Special feature: A pressure-resistant mass is created in case of fire.



Application Areas

- Fire protection doors of wood, steel or aluminium
- Glazing, facades
- Safety storage cabinets, safes
- In drywall construction: inspection flaps, separating walls and floor constructions
- Component joints, heat insulation elements
- Fire protection flaps and cable penetrations
- Pipe insulation systems
- Gas stop valves, pneumatic drives

Technical Data

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|-------------------------------|---|
| Composition: | halogen free, expanding construction material on the basis of expandable graphite |
| Material structure: | firm, flexible roll material |
| Bulk density [kg/m³]: | 1200 (±10 %) |
| Start of reaction [°C]: | from approx. 190 |
| Expansion rate [x times]: | 18 to 38 at 1.5 mm (550 °C; 30 min.; with superimposed load) |
| Direction of action: | three-dimensional |
| Expanding body: | solid, stable mass |
| Expansion pressure [N/mm²]: | 0.80 at 1.5 mm (300 °C, method 4) |
| Thermal conductivity [W/m·K]: | 0.403 (at 10 °C) |

Design Variants

ROKU® Strip 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 300 mm

Thicknesses: 1.5 mm and 2.0 mm (special thicknesses available on request)

Special formats are available on request. 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. 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.