

## ROKU® Strip

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

European technical approval ETA-10/0117

### Product Description

ROKU® strip is a flexible, intumescent material on the basis of exfoliated graphite that foams up under high pressure with thermal influence. Special features: A pressure-resistant foam is created in case of fire.

### 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 and cable ducts
- Pipe closing systems
- Gas stop valves, pneumatic drives

### Technical Data

|  |  |
|--|--|
| Composition:                           | Halogen free, foaming construction material on the basis of foaming graphite |
| Material structure:                    | Firm, flexible roll material   |
| Raw density [kg/m <sup>3</sup> ]:      | 1200 (±10 %)   |
| Start of reaction [°C]:                | From ca. 190   |
| Foaming rate [x-times]:                | 18 to 38-times at 1,5 mm (550 °C; 30 min; with load)                         |
| Direction of action:                   | Three-dimensional  |
| Forming inflatable body:               | Solid, stable material   |
| Foaming pressure [N/mm <sup>2</sup> ]: | At least 0,4   |
| Thermal conductivity [W/mK]:           | 0,403  |

### Executed Variants

ROKU® Strip without additional lamination

|             |   |
|-------------|---|
| Variant SK: | Einseitig selbstklebend                               |
| Variant DF: | One-sided laminated with PVC-foil in different colors |

*Further variants on request.*

*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:      | 1,5 mm and 2,0 mm (Special thicknesses are available on request) |

*Special formats are available on request. The product is manufactured on the basis of the general tolerance DIN ISO 2768-1. 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 trade mark rights and existing laws and regulations.  
Corresponds to DIN 2304.

