



## Intumex® L - Fire prevention laminate

### General

Intumex® L is a graphite based intumescent seal with a starting temperature of approx. 150°C, with a highly efficient performance and non-ageing certificate.

### Area of Application

Intumex® L is an intumescent seal for timber doors, glazings, panels, facades and building joints in walls and floors.

### Properties

- ⇒ Resistant to humidity and atmospheric influences
- ⇒ Free of organic solvents
- ⇒ Overpainting is possible with standard paints (eg acrylic, chlorinated rubber, 2-component epoxy-resin paints, silicones, etc. – adhesion and compatibility must be checked).

### Technical Data

Colour	Anthracite grey
Appearance	Flexible seal
Density	1.0 ±0.2g/cm <sup>3</sup>
Weight	1.8 mm thickness: 1.8 ±0.3kg/m <sup>2</sup> 2.5 mm thickness: 2.5 ±0.3kg/m <sup>2</sup>
Reaction to fire	B1, slowly combustible
Expansion temperature	Approx. 150°C
Expansion ratio	minimum 1:7 (30 minutes/300°C) – detail value of TMA
Expansion pressure	minimum 0.6N/mm <sup>2</sup> (300°C)
Thorn flexibility	75mm (20° C)
Humidity resistance	Insoluble / hygroscopic (no effect on fire performance)
Carrier material	Glass fibre web

Above indicated data of expansion ratio and pressure are taken from the DIBT building material approval. The actual expansion ratio as well as the generated expansion pressure are essentially depending on the fire test of the assembly and also on the joint dimensions of the construction itself.

### Test certificate/Approval

- ⇒ DIBT Z-19.11-80
- ⇒ UL R 19385

### Additional test approval

- ⇒ 15 years non ageing (BAM)
- ⇒ Thermal conductivity 0,193 W/(mK) (MPA Hannover)





## Intumex® L - Fire prevention laminate

### Packaging

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- ⇒ Product variations: L – blank intumescent seal
  - SK – self adhesive foil (LSK)
  - P – PVC-foil white, red, black (LP)
  - LPSK – intumescent seal with PVC and self adhesive foil
- ⇒ Thickness: 1.8mm, 2.5mm (intumescent part)  
(Tolerances: ±0.3mm)
- ⇒ Sheet dimensions: 2150 x 900mm or 1075 x 900mm
- ⇒ Strip dimensions: in a width of 10 to 900mm – all product variations  
(tolerances width: +0.1/-0.5mm)
- ⇒ Coil dimensions: in a width > 10 mm – only in L and LSK variation  
(tolerances width: +0.5/-0mm)
- ⇒ Stamping parts: customer specific solutions on request
- ⇒ Packaging: Sheets: 2150 x 900mm, 50 sheets/timber crate  
1075 x 900mm, 50 sheets/carton  
Strips: 1075, 2150mm carton  
Coils: in bulk on pallet

Other product dimensions and variations on request!  
Subject to change!

### Storage requirements

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- ⇒ Store in cool and dry conditions
- ⇒ Protect from frost and heat
- ⇒ Product variations with self adhesive foil are stockable up to 12 months

### Safety instructions

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- ⇒ Keep out of reach of children
- ⇒ Avoid contact with food or beverages
- ⇒ Please refer to the safety data sheet for additional advice