

General

Intumex® L is a graphite based intumescent seal, which creates high pressure on expansion.

Intumex® L is particularly characterised by an early starting temperature of approx. 150° C, whereby joints are quickly closed and a stable, compact char is formed. This guarantees a secure seal against the spread of smoke and fire of the overall construction.

Area of Application

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

Properties

- ⇒ Resistant to atmospheric influences (light, heat, frost, UV-light, humidity)
- ⇒ Free from 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)

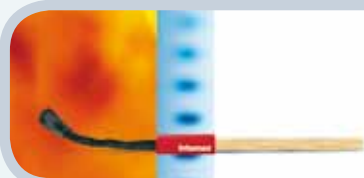
Technical Data

Colour	anthracite grey
Appearance	solid, flexible
Reaction to fire	B1, slowly combustible
Expansion temperature	approx. 150 ° C
Carrier material	Glass fibre web

Standard Products		
Thickness (basic version)	1.8 mm (± 0.3 mm)	2.5 mm (± 0.3 mm)
Weight (basic version)	1.8 kg/ m ² (± 0.3 kg/m ²)	2.5 kg/ m ² (± 0.3 kg/m ²)
Expansion ratio (basic version)	1 : 14 to 1 : 24	1 : 9.5 to 1 : 20
Expansion pressure (basic version)	1.14 to 2.41 N/mm ²	1.00 to 2.20 N/mm ²

Thicknesses of self-adhesive and décor variations		
Thickness (L) (basic version)	1.8 mm (± 0.3 mm)	2.5 mm (± 0.3 mm)
Thickness (LSK) (self-adhesive foil)	2.00 mm	2.70 mm
Thickness (LPSK) (with décor in red, black and white, self-adhesive foil)	2.35 mm	3.05 mm





Intumex® L - Fire Protection Laminate

Test certificate/Approval

- ⇒ DIBt Z-19.11-80
- ⇒ UL R 19385

Additional test

- ⇒ 15 years Ageing test (BAM)
- ⇒ Thermal conductivity 0.193 W/(mK) (MPA Hannover)

Packaging

- ⇒ Sheets: 2150 x 900 mm or 1075 x 900 mm
- ⇒ Strips: all product variations available in a width of 8 – 900 mm
- ⇒ Coils: Intumex® L and LSK
Width ≥ 10 mm
Width tolerance: + 0.5 / - 0 mm
- ⇒ Mega coils: for production plants with a high level of automation
Coil length according to dimension up to 1000 m upon request.
- ⇒ Stamping parts: Costumers specific solutions on request
- ⇒ Packaging: Sheets: 2150 x 900 mm, 50 sheets/ timber crate
1075 x 900 mm, 50 sheets / per carton box
Strips: 1075, 2150 mm paper case or carton box – depending on quantity
Coils: carton box or in bulk on pallet – depending on quantity

Other product dimensions and variations on request!

Subject to change!

Storage requirements

- ⇒ 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

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