

General

Intumex® LX is a graphite based intumescent seal with a starting temperature of approx. 190°C and is characterised by its high flexibility.

Area of application

Intumex® LX is an intumescent seal for door and gate constructions, glazings, plastic pipes and building joints in walls and floors.

Properties

- ⇒ Reduction of waste
- ⇒ Resistant to humidity and atmospheric influences
- ⇒ Free of organic solvents



Technical Data

| | |
|-----------------------|---|
| Colour | Anthracite grey |
| Appearance | Highly flexible seal |
| Density | 1.15 ±0.15g/cm ³ |
| Weight | 2.2 ±0.2kg/m ² |
| Reaction to fire | B2, normal combustible |
| Expansion temperature | Approx. 190°C |
| Expansion ratio | minimum 1:18 (30minutes, 550°C, loaded) |
| Expansion pressure | 0.4 – 0.85N/mm ² (300°C) |
| Thorn flexibility | 20mm (20°C) |
| Humidity resistance | Insoluble / hygroscopic (no effect on fire performance) |

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

- ⇒ on request

Additional test approval

- ⇒ Thermal conductivity: 0,238 W/(mK) (MPA Hannover)

Silicone Trading

Packaging

- ⇒ Product variations: LXSK – intumescent seal with self adhesive foil = standard
- ⇒ Thickness: 2.0mm including self adhesive foil
(tolerances: +0.2/-0mm without protective liner)
- ⇒ Coil dimensions: width: 10 to 200mm
(tolerances width: +0.1/-0.5mm)
length: 50m: up to 14mm width or
100m: over 15mm width
(Carton core – diameter 150mm)
- ⇒ Packaging: in bulk on pallet

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