

PROMASEAL®-LFC



Product description

PROMASEAL®-LFC is a graphite-based fire protection seal that intumesces above approx. 190 °C.

Properties

- Resistant to atmospheric effects (light, heat, frost, UV radiation, humidity ⁽¹⁾)
- Free from organic solvents

Technical data

Colour	Anthracite grey		
Reaction to fire	Class	E	
Use category ⁽¹⁾	Class	X	
Ageing ⁽²⁾	Years	33	
Expansion temperature	°C	approx. 190	
Thickness (tolerance)	mm	1.0 (±0.3)	1.8 (±0.3)
Weight (tolerance)	kg/m ²	1.1 (±0.4)	1.9 (±0.4)
Expansion factor (tolerance)	Loaded	1:12 - 1:22 (1:5 - 1:25)	1:12 - 1:22 (1:5 - 1:25)
Expansion pressure (tolerance)	N/mm ²	0.35 - 0.9 (>0.3)	0.35 - 0.9 (>0.3)

(1) The fire protection properties according to TR 024: 2009 are not impaired by weathering, however, direct influence from humidity can lead to optical and fastening impairments. We therefore recommend that you do not expose the product to permanent direct moisture. **(2)** Accelerated ageing test with subsequent fire test according to EN 1363-1.

Delivery forms

ROLLS		-LFC SK	
Thickness (self-adhesive or decorative)	mm	1.20	2.00
Width (tolerance) x Length	mm	9-14 (+0.1/-0.5) x 50 m roll	
	mm	≥15 (+0.1/-0.5) x 100 m roll	
Packaging	Single or cardboard box		
SPECIAL TYPE		-LFCESK (polyethylene foam)	
Delivery form	Rolls		
Temperature resistance foam	°C	-30 to +80	
Width (tolerance)	mm	10-40 (+0.1/-0.5)	
Density foam	kg/m ³	approx. 30	

Type abbreviations

LFC	Basic version of fire protection laminate
LFC SK	Fire protection seal with self-adhesive <i>Total thickness: LFC + self-adhesive 0.2 mm</i>
LFCESK	Fire protection seal, PE foam and self-adhesive <i>Total thickness: LFC + PE foam 3 mm</i>

PROMASEAL[®]-LFC

Areas of application

- Intumescent seal for door constructions.

Handling

PROMASEAL[®]-LFC is cut to the desired dimension using standard cutting tools.

Storage

- Storage temperature: 3 °C - 35 °C
- Store in dry rooms
- Variants with self-adhesive can be stored for up to 12 months

Test certificates and approvals

- DoP No. 0761-CPR-18/0202-2018/8

Safety instructions

Please refer to the safety information sheet for additional advice.