

## PROMASEAL<sup>®</sup>-LFC

Technical data sheet

Intumescent seals



### Product description

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

### Properties & benefits

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

### Application area

- Intumescent seal for door constructions.

### TECHNICAL DATA

Colour	Anthracite grey		
Reaction to fire	Class	E	
Use category <sup>(1)</sup>	Class	X	
Ageing <sup>(2)</sup>	Years	33	
Expansion temperature	°C	approx. 190	
Thickness (tolerance)	mm	1,0 (0,3)	1,8 (0,3)
Weight (tolerance)	kg/m <sup>2</sup>	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 <sup>2</sup>	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 SIZES

Rolls		-LFCSK	
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	-LFCE (polyethylene foam)		-LFCESK
Delivery form	Rolls		
Temperature resistance foam	°C	-30 to +80	
Width (tolerance)	mm	10-40 (+0,1/-0,5)	
Density foam	kg/m <sup>3</sup>	approx. 30	

### Type abbreviations

LFC	Basic version of fire protection laminate
LFCSK	Fire protection seal with self-adhesive Total thickness: LFC + self-adhesive 0.2 mm
LFCE	Fire protection seal with PE foam Total thickness: LFC + PE foam 3 mm
LFCESK	Fire protection seal, PE foam and self-adhesive Total thickness: LFC + PE foam 3 mm + self-adhesive 0.2 mm

### Working & processing

PROMASEAL™-LFC is cut to the desired dimension using standard cutting tools.

Please refer to the safety information sheet for additional advice.

### 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

All specified technical data are mean values from the production which are subject to the usual fluctuations and do not represent guaranteed properties in the sense of a guarantee. All information corresponds to the current state of the art and has been presented and described to the best of our knowledge. Changes due to new findings are possible, errors and misprints are not excluded. With regard to any liability, our delivery and payment terms apply exclusively. Request safety datasheet. With the publication of this edition, all previously published datasheets are invalid. © Copyright Etex NV, Brussels, Belgium. All rights reserved. 2022-01

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