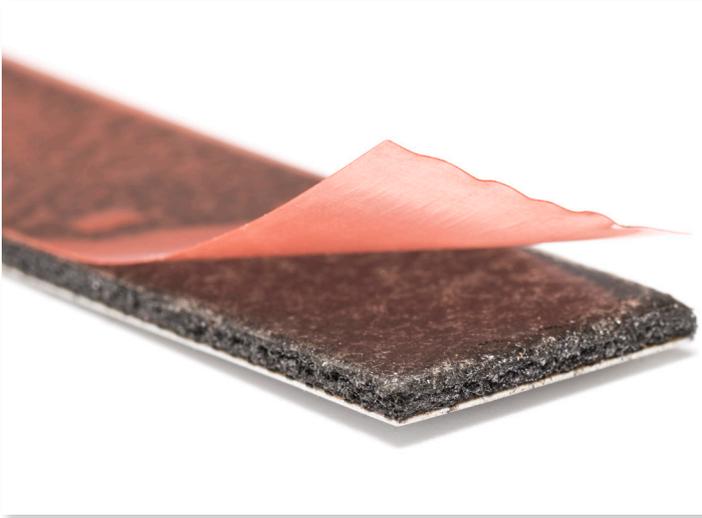


PROMASEAL®-PL



Product description

PROMASEAL®-PL is an intumescent fire protection laminate based on graphite, which creates high pressure on expansion due to the effect of temperature. PROMASEAL®-PL is characterized in particular by an early start temperature of approx. 150 °C. It forms a stable, compact char that seals gaps or openings quickly. This ensures a secure seal against the spread of smoke and fire of the overall construction.

Properties

- Resistant to atmospheric effects (light, heat, frost, UV radiation, humidity ⁽¹⁾)
- Free from organic solvents
- Overpainting is possible with standard paints (e.g. acrylic, chlorinated rubber, 2 component epoxy-resin paints, silicones, etc. - preliminary tests concerning adhesion and compatibility required)

Technical data

Colour		Anthracite grey		
Reaction to fire	Class	B-s1, d0 (basic version)		
Carrier		Fabric		
Use category ⁽¹⁾	Class	X		
Ageing ⁽²⁾	Years	33		
Expansion temperature	°C	approx. 150		
Thickness (tolerance)	mm	1.5 (±0.3)	1.8 (±0.3)	2.5 (±0.3)
Weight (tolerance)	kg/m ²	1.5 (±0.4)	1.8 (±0.4)	2.5 (±0.4)
Expansion factor (tolerance)	Loaded	1:13 - 1:26 (1:7 - 1:30)	1:13 - 1:26 (1:7 - 1:30)	1:13 - 1:26 (1:7 - 1:30)
Expansion pressure (tolerance)	N/mm ²	0.8 - 1.5 (>0.6)	1.0 - 2.0 (>0,6)	1.5 - 2.8 (>0.6)

(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.

Areas of application

- Wooden doors
- Glazing
- Fire protection panels
- Access panels
- Facades
- Construction joints in walls and ceilings

Handling

PROMASEAL®-PL is processed with commercially available cutting tools, e.g. cutting shears, cut to the desired dimension. For adhering, a self-adhesive version is available. If necessary, adhesion tests are to be carried out.

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

- UL R 19385 Vol. 1
- DoP No. 0761-CPR-18/0198-2018/8
- EN 45545-2:2013

Safety instructions

Please refer to the safety information sheet for additional advice.

PROMASEAL®-PL

Delivery forms					
BOARDS		-PL	-PLSK	-PLP	-PLPSK
Thickness (self-adhesive or decorative) ⁽³⁾	mm	1.80 / 2.50	2.10 / 2.80	2.15 / 2.85	2.45 / 3.15
Length x Width	mm	2150 x 900 / 1075 x 900			
Packaging		50 pcs./wooden crate (2150 x 900 mm) or 50 pcs./cardboard box (1075 x 900 mm)			
STRIPS		-PL	-PLSK	-PLP	-PLPSK
Thickness (self-adhesive or decorative) ⁽³⁾	mm	1.80 / 2.50	2.10 / 2.80	2.15 / 2.85	2.45 / 3.15
Length x Width (tolerance)	mm	1075/2150 x 8-900 (+0.1/-0.5)			
Packaging		Cardboard sleeve or cardboard box			
ROLLS		-PL		-PLSK	
Thickness ⁽³⁾	mm	1.80 / 2.50		2.10 / 2.80	
Thickness x Width (tolerance) x Length	mm	1.80 x 10-14 (±0.5) x 25/50 m / 1.80 x ≥15 (±0.5) x 100 m			
	mm	2.50 x 10-14 (±0.5) x 25 m / 2.50 x ≥15 x (±0.5) x 75 m			
Packaging		Single or cardboard box			
SPECIAL TYPE		-PLESK (polyethylene foam)			
Delivery form		Boards			
Temperature resistance foam	°C	-30 to +80			
Length x Width	mm	1075/2150 x 900			
Foam density	kg/m ³	approx. 30			

Coils for manufacturing plant with high degree of automation (on request). (3) 1.5 mm thickness on request.

Type abbreviations

PL	Basic version of fire protection laminate
PLSK	Fire protection laminate, self-adhesive Total thickness: PL + self-adhesive 0.2 mm + cover foil 0.1 mm - SK/G: Self-adhesive foil on the fabric, intumescent surface is visible - SK/W: Self-adhesive foil on the intumescent surface, fabric is visible (on request)
PLP	Fire protection laminate and PVC film (black, red or white) Total thickness: PL + PVC film 0.35 mm
PLPSK	Fire protection laminate, self-adhesive and PVC film (black, red or white) Total thickness: PL + PVC film 0.35 mm + self-adhesive 0.2 mm + cover foil 0.1 mm
PLESK	Fire protection laminate, PE foam and self-adhesive Total thickness: PL + PE foam 4 mm + self-adhesive 0.2 mm + cover foil 0.1 mm

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.
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