

PROMASEAL®-PL



Fire Protection Laminate

PROMASEAL®-PL is a graphite based intumescent seal, which creates high pressure on expansion.

PROMASEAL®-PL is particularly characterised by an early starting temperature of approximately 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.

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

Technical data

Colour		anthracite grey
Appearance		solid, flexible
Reaction to fire		B1, slowly combustible
Expansion temperature	°C	approximately 150
Carrier material		glass fibre web
Thermal conductivity MPA Hannover	W/m K	0.193

Standard Products

Thickness (basic version)	mm	1.8 (± 0.3)	2.5 (± 0.3)
Weight (basic version)	kg/m²	1.8 (± 0.3)	2.5 (± 0.3)
Expansion ratio (basic version)		1:14 to 1:24	1:9.5 to 1:20
Expansion pressure (basic version)	N/mm²	1.14 to 2.41	1.00 to 2.20

Standard Products

Thickness (PL) (basic version)	mm	1.8 (± 0.3)	2.5 (± 0.3)
Thickness (PLSK) (self-adhesive foil)*	mm	2.10	2.80
Thickness (PLPSK) (with décor in red, black and white, self-adhesive foil)*	mm	2.45	3.15

* Incl. plastic liner

Packaging

Sheets	mm	2150 x 900 mm or 1075 x 900 mm
Strips	mm	all product variations available in a width of 8-900 mm
Coils	width	PROMASEAL®-PL and PLSK, width ≥ 10 mm (tolerance: +0.5/-0mm)
Mega coils		for production plants with a high level of automation coil length according to dimension up to 1000 m upon request
Stamping parts		customers specific solutions on request
Packaging	sheets	2150 x 900 mm, 50 sheets/timber crate 1075 x 900 mm, 50 sheets per carton box
	strip coils	1075, 2150 mm paper case or carton box, depending on quantity carton box or in bulk on pallet, depending on quantity

Other product dimensions and variations on request. Subject to change.

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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)

Test certificates

- DiBt Z-19.11-80
- UL R 19385
- 15 years ageing test (BAM)

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