

### General Description

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 approx. 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.

### Field Of Application

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

### 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)

### General Technical Properties

Colour	anthracite grey
Appearance	solid, flexible
Reaction to fire	B1, slowly combustible
Expansion temperature	approx. 150°C
Carrier material	Glass fibre web



Standard Products		
Thickness (basic version)	1.8 mm (± 0.3 mm)	2.5 mm (± 0.3 mm)
Weight (basic version)	1.8 kg/ m <sup>2</sup> (± 0.3 kg/m <sup>2</sup> )	2.5 kg/ m <sup>2</sup> (± 0.3 kg/m <sup>2</sup> )
Expansion ratio (basic version)	1 : 14 to 1 : 24	1 : 9.5 to 1 : 20
Expansion pressure (basic version)	1.14 to 2.41 N/mm <sup>2</sup>	1.00 to 2.20 N/mm <sup>2</sup>

Standard Products		
Thickness (PL) (basic version)	1.8 mm (± 0.3 mm)	2.5 mm (± 0.3 mm)
Thickness (PLSK) (self-adhesive foil)	2.00 mm	2.70 mm
Thickness (PLPSK) (with décor in red, black and white, self-adhesive foil)	2.35 mm	3.05 mm

### Test Certificate / Approval

- DIBt Z-19.11-80
- UL R 19385

### Additional test

- 15 years Ageing test (BAM)
- Thermal conductivity 0.193 W/(mK) (MPA Hannover)

### Packaging

- Sheets: 2150 x 900 mm or 1075 x 900 mm
- Strips: all product variations available in a width of 8 – 900 mm
- Coils: PROMASEAL®-PL and PLSK  
Width  $\geq$  10 mm  
Width tolerance: + 0.5 / - 0 mm
- 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  
Strips: 1075, 2150 mm paper case or carton box – depending on quantity  
Coils: carton box or in bulk on pallet – depending on quantity

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