

PROMASEAL®-GT



Product description

PROMASEAL®-GT is an intumescent fire protection laminate based on graphite, which creates high pressure on expansion due to the effect of temperature. It is characterised in particular by an increased expansion factor and expansion pressure. 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 epoxyresin 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	Y ₁	
Ageing ⁽²⁾	Years	33	
Expansion temperature	°C	approx. 190	
Thickness (tolerance)	mm	1.8 (±0.3)	2.5 (±0.3)
Weight (tolerance)	kg/m ²	2.2 (±0.4)	3.0 (±0.4)
Expansion factor (tolerance)	Loaded	1:20 - 1:30 (1:10 - 1:30)	1:20 - 1:30 (1:10 - 1:30)
Expansion pressure (tolerance)	N/mm ²	1.10 - 2.30 (>0.8)	2.2 - 3.2 (>0.8)

(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

Intumescent seal for metal doors, gates and fire dampers

Handling

PROMASEAL®-GT 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

- DoP No. 0761-CPR-18/0204-2018/8
- EN 45545-2:2013

Safety instructions

Please refer to the safety information sheet for additional advice.

PROMASEAL[®]-GT

Delivery forms					
BOARDS		-GT	-GTSK	-GTPSK	
Thickness (self-adhesive or decorative surface)	mm	1.80 / 2.50	2.10 / 2.80	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		-GT	-GTSK	-GTPSK	
Thickness (self-adhesive or decorative surface)	mm	1.80 / 2.50	2.10 / 2.80	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		-GT & -GTSK			
Thickness	mm	1.80		2.50	
Length	m	25/50	100	25	75
Width (tolerance)	mm	10-14 (±0.5)	≥15 (±0.5)	10-14 (±0.5)	≥15 (±0.5)
Packaging		Single or cardboard box			

Coils for manufacturing plant with high degree of automation (on request).

Type abbreviations

GT	Basic version of fire protection laminate
GTSK	Fire protection laminate, self-adhesive <i>Total thickness: GT + self-adhesive 0.2 mm + cover foil 0.1 mm</i> - 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)
GTPSK	Fire protection laminate, self-adhesive and PVC film (black, red or white) <i>Total thickness: GT + PVC film 0.35 mm + self-adhesive 0.2 mm + cover foil 0.1 mm</i>