

PROMASEAL®-GT

Fire Protection Laminate

TECHNICAL DATA SHEET



QUALITY ASSURANCE

Promat products are manufactured to stringent quality control systems to assure that our customers receive materials made to the highest standards.

Operating to these standards means that all activities, which have a bearing upon quality, are set out in written procedures.

Systematic and thorough checks are made on all materials and their usage. Test equipment is subjected to regular checks and is referred back to national standards.

The information given in this data sheet is based on actual tests and is believed to be typical of the product. No guarantee of results is implied however, since conditions of use are beyond our control.

SAFETY INSTRUCTION

- Keep out of reach of children
- Avoid contact with food or beverages
- Please refer to the safety data sheet for additional advice

GENERAL DESCRIPTION

PROMASEAL®-GT is a non-ageing graphite based intumescent seal with a starting temperature of approx. 190 °C, with a highly efficient performance.

FIELD OF APPLICATION

PROMASEAL®-GT is an intumescent seal for metal doors, gates and fire dampers in walls and floors.

PROPERTIES

- Overpainting is possible with standard paints (eg acrylic, chlorinated rubber, 2 component epoxy-resin paints, silicones, etc. – adhesion and compatibility must be checked)
- Resistant to humidity influences (light, heat, frost, UV-light)
- Free from organic solvents



GENERAL TECHNICAL PROPERTIES

Colour	anthracite grey
Appearance	solid, flexible
Reaction to fire	B1, slowly combustible (basic version)
Expansion temperature	approx. 190 °C
Carrier material	Glass fibre web
Thorn flexibility	75 mm (20 °C)

Standard Products		
Thickness (basic version)	1.8 mm (± 0.3 mm)	2.5 mm (± 0.2 mm)
Weight (basic version)	2.2 kg/ m ² (± 0.3 kg/m ²)	3.0 kg/ m ² (± 0.3 kg/m ²)
Expansion ratio (basic version)	1 : 20 to 1 : 26	1 : 20 to 1 : 26
Expansion pressure (basic version)	0.8 to 1.9 N/mm ²	2.4 to 3.2 N/mm ²

Standard Products		
Thickness (GT) (basic version)	1.8 mm (± 0.3 mm)	2.5 mm (± 0.2 mm)
Thickness (GT-SK) (self-adhesive foil)*	2.10 mm	2.80 mm

* Incl. plastic liner

TEST CERTIFICATE / APPROVAL

- Upon request

ADDITIONAL TEST

- Thermal conductivity 0.238 W/(mK) (MPA Hannover)

PACKAGING

- Product variations: GT – substance non-laminated
SK – self-adhesive / GT-SK
GT-PSK – PVC cover and self-adhesive
- Sheets: 2150 x 900 mm or 1075 x 900 mm
- Strips: all laminations: available width 8 – 900 mm
- Coils: PL-P and lamination GT-SK: available width \geq 10 mm
- Spool products: for production plants with a high level of automation.
Spool length depending upon dimension, up to 1000 m upon request.
- Stamping parts: Solutions for client specific requirements
- Packaging: Sheets: 2150 x 900 mm, 50 sheets per wood crate
1075 x 900 mm, 50 sheets per cardboard box
- Strips: 900, 1075, 2150 mm paper case or cardboard box – depending on the 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 rooms
- Protect from frost and heat
- Product variations with self adhesive foil are stockable up to 12 months