

PROMASEAL[®]-LXP

Fire Prevention Seal

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®-LXP is a graphite based intumescent seal with a starting temperature of approx. 190°C and is characterised by its high flexibility and is available in different colours.

FIELD OF APPLICATION

PROMASEAL®-LXP is an intumescent seal for timber and metal doors.

PROPERTIES

- Reduction of waste
- Resistant to humidity and atmospheric influences
- Free of organic solvents

GENERAL TECHNICAL PROPERTIES

| | |
|------------------------------|---|
| Colour | Surface: white, red and black |
| Appearance | Highly flexible seal |
| Density | 1.3 ±0.15 g/cm ³ |
| Weight | 2.2 ±0.20 kg/m ² |
| Reaction to fire | B2, normal combustible |
| Expansion temperature | Approx. 190°C |
| Expansion ratio | minimum 4.5 – 6.0 mm/g (30 min, 550°C, loaded) |
| Expansion pressure | minimum 0.2 – 0.6 N/mm ² (300 °C) |
| Thorn flexibility | 20 mm (20 °C) |
| Humidity resistance | Insoluble / hygroscopic (no effect on fire performance) |

Above indicated data of expansion ratio and pressure are taken from the DIBT building material approval. The actual expansion ratio as well as the generated expansion pressure are essentially depending on the fire test of the assembly and also on the joint dimensions of the construction itself.

TEST CERTIFICATE / APPROVAL

- On request



PACKAGING

- Product variations: LXPSK – intumescent seal with coloured surface and self adhesive foil = standard
- Thickness: 2.0 mm including self adhesive foil (tolerances: ± 0.18 mm without protective liner)
- Coil dimensions: width: 10 to 200 mm (tolerances width: +0.1/-0.5 mm)
length: 50 m: up to 14 mm width or 100m: over 15 mm width
(Carton core – diameter 150 mm)
- Packaging: in bulk on pallet

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



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The products must be applied in accordance with regulations for construction material in general and fire stopping in particular, with the applicable national test certificates and approvals and in accordance with applicable national building regulations. Products may only be applied by trained professionals with adequate knowledge and only after thorough review of the installation guidelines, safety data sheets and national test certificates and approvals. For additional information on how and where to use this product please refer to the Promat handbook or contact your local Promat office. All the relevant documents can be obtained free of charge from the local Promat office. For Non European Union countries separate guidelines are relevant. If required please contact us.