

PROMASEAL®-HT



Product description

PROMASEAL®-HT is an intumescent fire protection laminate based on graphite, which creates high pressure on expansion due to the effect of temperature. PROMASEAL®-HT 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		Brown
Reaction to fire	Class	B-s1, d0 (basic version)
Carrier		Fabric
Use category	Class	X
Ageing ⁽²⁾	Years	33
Expansion temperature	°C	approx. 150
Thickness (tolerance)	mm	1.6 (±0.3)
Weight (tolerance)	kg/m ²	1.9 (±0.4)
Expansion factor (tolerance)	Loaded	1:10 - 1:20 (1:5 - 1:25)
Expansion pressure (tolerance)	N/mm ²	0.50 - 1.75 (> 0.3)

(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

- Wooden doors
- Glazing
- Fire protection panels
- Inspection doors
- Facades
- Construction joints in walls and ceilings

Handling

PROMASEAL®-HT 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-18/0203-2018/8

Safety instructions

Please refer to the safety information sheet for additional advice.

PROMASEAL[®]-HT

Delivery forms			
BOARDS		-HT	-HTSK
Thickness (self-adhesive or decorative surface)	mm	1.6	1.9
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		-HT	-HTSK
Thickness (self-adhesive or decorative surface)	mm	1.6	1.9
Length x Width (tolerance)	mm	1075/2150 x 8-900 (+0.1/-0.5)	
Packaging		Cardboard sleeve or cardboard box	
SPECIAL TYPE		HTE	
Delivery form		Boards	
Temperature resistance foam	°C	-30 to +80	
Length x Width	mm	900 x 1075/2150	
Foam density	kg/m ³	approx. 30	

Type abbreviations

HT	Basic version of fire protection laminate
HTSK	Fire protection laminate, self-adhesive Total thickness: HT + self-adhesive 0.2 mm + cover foil 0.1 mm - 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)
HTE	Fire protection laminate, PE foam Total thickness: HT +PE foam 4 mm

All specified technical data are mean values from the production which are subject to the usual fluctuations and do not represent guaranteed properties in the sense of a guarantee. All information corresponds to the current state of the art and has been presented and described to the best of our knowledge. Changes due to new findings are possible, errors and misprints are not excluded. With regard to any liability, our delivery and payment terms apply exclusively. Request safety datasheet. With the publication of this edition, all previously published datasheets are invalid.

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