

Flaton-flex A

Insulating layer forming for fire and heat protection

Technical Data Sheet

Short description

Flaton-flex A is a flexible material, which does not break even at extreme load and therefore makes applications possible even at difficult geometries.
Based on the low begin of swelling, app. 150°C, the quick swelling in very short time, as well as the great swelling volume, Flaton-flex A has an advantage against competition.
Flaton-flex A is halogen-, antimon-, silicone- and solvent free.

The mode of action is based on the forming of a temperature reducing foam in in case of fire. Joints, gaps and other openings will be filled by the formed foam and prevent the conductivity of temperature.

Application

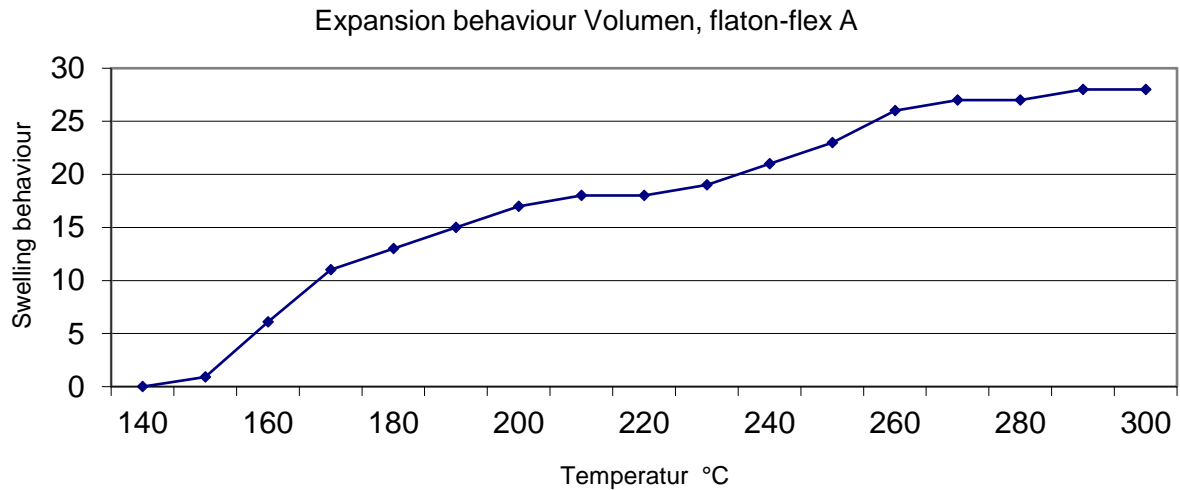
Fire resisting protection in joints, gaps and other openings in building parts and special building parts. Field of application: doors and gates, flaps, cabinets- and partition walls, security, data and control cabinets, cable runs, ventilations flaps and other shut-off devices. Flaton-flex A is used as roll material in different widths, but also as shaped part according to drawing.

Technical Data

Material thickness	mm	1,0	1,5	2,0
Weight	kg/m ²	1,1	1,5	2,0
Begin of swelling	°C	app. 150	app. 150	app. 150
Foam height, 30 min 450°C with pressure		10 to 19 ply		
Swelling pressure at 300°C	N/mm ²	1,2 – 2,4	1,4 – 2,5	1,6 – 2,6
Moisture behaviour		insensitive	insensitive	insensitive
Swelling behaviour without pressure		see table next side		
Fire behaviour acc. to DIN 4102 part 1		Building Material Classification B 2		
Admission / registration		German Institute for Building Technology, Berlin Nr. Z-19.11-1713		
Specific Resistance		> 10 ⁸ Ω cm		

Important remark

The three dimensional forming of volume, as well as the big swelling pressure during swelling, allow a considerably reduced usage of material in comparison with other materials of this range.



Availability

- Standard thickness 1,0 mm, 1,5 mm and 2,0 mm
- Supply in rolls of 15 m length and different widths
- Cut stripes in 2,5 m length
- Cut parts according to drawing
- With and without self adhesive equipment

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