

Insulating Products

flaton-flex A

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Insulating layer forming for the fire and heat protection

Short description

This is the latest product of our insulation range. It is a flexible material, which does not break even at extreme load and therefore makes the application possible even at difficult geometries.

Based on the low begin of swelling, app. 145°C, the quick swelling in very short time, as well as the great swelling volume, the 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.

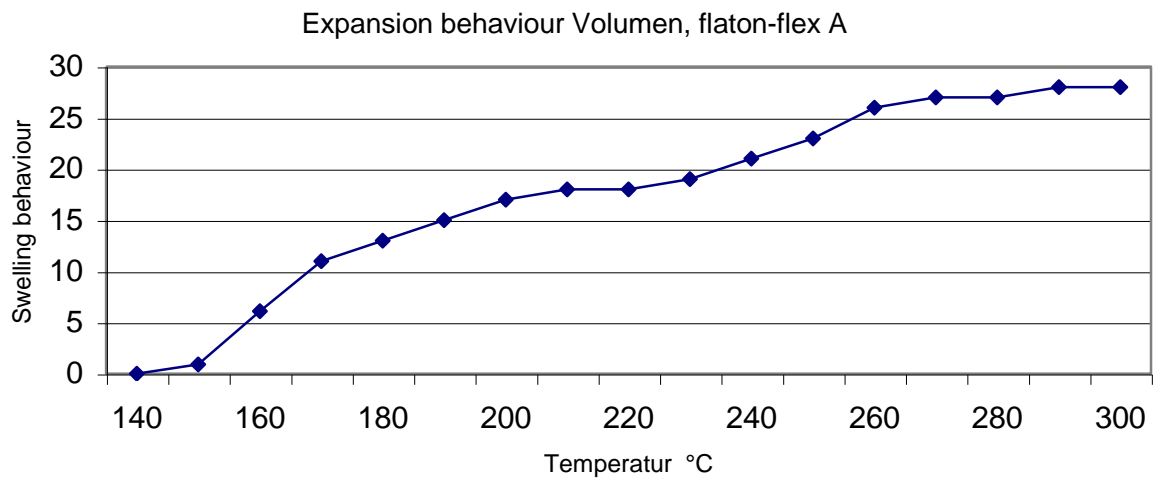
Application

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	1,15	1,4	1,7
Begin of swelling	°C	145	145	145
Foam height, 30 min 450°C with pressure		≥ 13 ply	≥ 13 ply	≥ 13 ply
Swelling pressure at 300°C	N/mm ²	>1,35	>1,6	>1,9
Moisture behaviour		insensitive	insensivite	in sensitive
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		

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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