



Fimotion

smarter in fire prevention

FITHERM™ NP

Datasheet



Product description

Fitherm NP is an intumescent material that foams up pressure-free, forming a firm and heat-resistant foam in case of fire. Fitherm NP fills gaps and cavities and builds up a very effective barrier against fire and smoke. Fitherm NP is a halogen free product. It can be laminated with a self-adhesive tape on one side for fixing.

Technical data

Density:	Approx. 1.35 g/cm ³
Expansion temperature:	Starting from 200°C
Expansion factor(30min,400°C):	Up to 60-fold its original thickness
Direction of action:	Mainly across the surface
Forming inflatable body:	Stable, finely porous, thermally insulating layer
Thermal conductivity:	0.35 W/mK
Color:	White

Applications

- Fitherm NP is developed for a wide range of applications where an intumescent material is necessary to maintain the system integrity and insulation in case of fire.

These systems are for example:

- Fire protection doors from wood, steel or aluminium
- Glazing elements
- Component joints
- Pipe penetrations and cable transit systems



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Storage and Processing

- Fitherm NP should be stored under room conditions (best above 10°C). During handling and processing the wearing of protective gloves is recommended.

Availability

Fitherm NP is available as flexible rolls in the following standard dimensions:

- **Thickness:** 1mm, 1.5mm or 2mm; **Width:** 10mm, 15mm and 20mm; **Length:** 25 meter with or without self-adhesive backing, Other sizes on request.

Note

The information in this document is based on our knowledge and experience to date. This information does not release the user from carrying out independent tests and trials due to the various influences when processing and applying our product. It is not possible to derive a guarantee of certain properties of suitability of the product in a concrete application case based on our information. All the descriptions, drawings, photographs, data, conditions, weight etc. included may change without previous announcement; they do not constitute the contractually agreed property of the product. The recipient of our product is responsible to observe any trade mark rights and existing laws and regulations.