

EXPANDING FOAM PRODUCT DATA & INSTALLATION INSTRUCTIONS

Technical data and requirements	Standard NF / ISO / DIN	Classification and categories
Impregnation	72%	Flame-retardant synthetic resin
Raw density (non-compressed)	ISO 845	100 kg/m ³ +/- 10%
Temperature cycle resistance	DIN 18 542	-40°C to 100°C
Tensile strength / Breaking elongation	ISO 1798	> 110 kPa / > 120%
Compression strength / Impact strength	NF P 85-571	28 kPa with 75% deformation
Expansion capacity after exposure to weathering in a durability test. Resistant to light and moisture	NF P 85-571 DIN 53 397	Satisfied, expansion > 90% Weathering resistance satisfied
Storage time and temperature	HSA	24 months > 1°C < 25°C ***
Stress group / Building materials class	DIN 18542 DIN 4102	BG 1 B 1 (non-flammable)
Water vapour diffusion resistance index	DIN 52 615	$\mu < 100$ comp. 20%
Joint permeability	EN 1026	$a < 0.1$ m ³ /[h. m. (daPa)7]
Heat conductivity	DIN 52 612	$\lambda 10 < 0.045$ W/m.k
Compatibility with neighbouring building materials	DIN 52 453	Requirements satisfied
Resistance to driving rain	EN 1027 Previously DIN 18 055	Requirements satisfied for the specified application Over 600 Pa
External monitoring	MPA Hanover	Ü
Material	Polyurethane cellular foam, impregnated with flame retardant properties	
Building Classification	Class 1 to NF P85-570, BG1 to DIN 18 542 (P-NDS04-479)	
Fire Resistance	B1 Self-extinguishing	
Elongation at Breaking	ISO 1798 >250%	
Compatability	Will cause no corrosion with most metals or PVC, Glazing, Wood or Concrete	

HSA: Information from manufacturer *** Protect from frost – long term storage causes major changes in expansion capacity



EST. 1969

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PRODUCT SELECTOR

Gap to be filled (mm)	Tape Width (mm)	Expanding to (mm)	Reference number
1-3	10	9	600 10 1-3
2-5	10	13	600 10 2-4
2-5	15	13	600 15 2-4
2-5	20	13	601 20 2-4
3-7	10	13	600 10 3-7
3-7	15	17	600 15 3-7
3-7	20	17	600 20 3-7
3-7	25	17	600 25 3-7
4-11	15	17	600 15 5-10
4-11	20	26	600 20 5-10
4-11	25	26	600 25 5-10
5-14	15	33	600 15 7-12
5-14	20	33	600 20 7-12
5-14	25	33	600 25 7-12
7-18	25	44	600 20 8-15
7-18	20	44	600 25 8-15
7-18	24	44	600 30 8-15
8-21	20	53	600 20 10-18
8-21	25	53	600 25 10-18
8-21	30	53	600 30 10-18
13-28	30	72	HPE 30 13-24
13-28	40	72	HPE 40 13-24
24-49	40	123	HPE 40 24-40

Product Description

Expanding Foam Tape is a high quality joint sealing tape produced from soft polyurethane foam. It is supplied in the form of pre-compressed (delayed expansion) rolls.

Applications

Joints exposed to the weather can be sealed to prevent water ingress.

Window and door frames can be sealed to prevent water ingress.

Seals on facades (fixed and flexible joints) to prevent thermal and acoustic bridging. Can be painted.

Joints on facades of both pitched and flat roofs.

Acoustic walls and prefabricated concrete panels and components.

Product Benefits and Design

Contact our Technical Department for advice on required foam thickness and joint tolerances.

600pa weather sealing and protection from driving rain, wind, UV radiation and temperature variations as well as noise reducing properties.

Supplied on rolls ready compressed, self-adhesive and ready for use.

Colour dark grey and suitable for painting.

Instructions for use

- Check whether it is possible to use the expanding tapes.
- Clean edges of the joints and check that they are reasonably parallel (max. 4°).
- Assess the joint width taking into account any potential movement of the structure.
- Select the appropriate sized joint tape.
- Cut off the required length adding 1cm of tape for each metre.
- Fit from bottom to top, securing the tape with wedges if necessary.
- To regulate the delayed expansion: Rolls can be warmed in winter and cooled in summer.
- Compress strip goods mechanically down to the required compression level.
- Affix the tape to the edge of the joint with a little back displacement (1 – 2mm).
- If the joint edges are wet and cannot be dried, secure the tape every 20cm with wedges.
- Do not fold the tape around corners – cut and butt join.
- Cross and T-shaped joints: Vertical joint overlaps horizontal joint, run the vertical joint right through.

Adhesion instructions: The self-adhesion may cause problems in very narrow joints so can be neutralised temporarily with a little water. Prefabricated concrete components and other heavy elements must be installed using the usual spacers.

- Secure remaining foam tape on rolls with adhesive strips and store flat.
- The expansion time and capacity depend heavily on the storage time and tape age.
- Position the self-adhesive side downwards on horizontal joints.

Roll Dimensions

Width (mm)	Expanded thickness (mm)	For sealing joint gaps (mm)	Length per coil (m)
10	5	1-2	15
10	9	1.5-3	12.5
15			
20			
10	13	2-4	10
15			
20			
15	17	3-7	8
20			
15	26	5-10	5.6
20			
20	33	7-12	4.3
25			
25	44	8-15	3.3
30			
25	53	10-18	3
30			