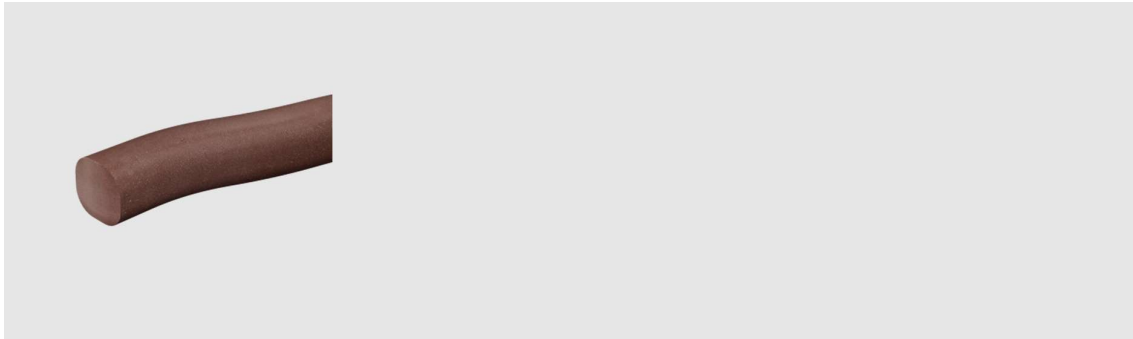


Aestuver™ Expansion joint tape

Aestuver™ Expansion joint B



Product

AESTUVER™ Expansion joint tape is an intumescent polyurethane foam with halogen-free fire protection additives.

This building material, which forms an insulating layer, is used to improve the fire protection of joints in ceilings and walls in building construction.

In addition, AESTUVER Expansion joint tape is used to seal fire protection joints in walls and ceilings to meet fire resistance requirements up to EI 120 in accordance with ETA-12/0119.

Application

Structures are subject to various effects that can cause deformations in the structure. The main effects are:

- Temperature expansion due to fluctuation of the ambient temperature
- Temperature expansion / deformation due to fire exposure
- Swelling / shrinking due to moisture absorption or release
- Creep due to load effect (permanent, plastic deformation)
- Movement towards each other due to load effect (e.g. traffic load, wind, etc.)



The targeted planning of expansion or movement joints in the building structure can prevent constraining forces from occurring and damaging the structure. AESTUVER™ Expansion joint tape can be used here in structural fire protection for various joint applications and fire resistance classes.

Note:

The specifications of the European Technical Assessment (ETA-12/0019) and accompanying documents must be observed!

Permissible installation situations of the fire protection joint sealant

Components	Construction type	Component classification	Minimum component density
Solid wall	Aerated concrete, Reinforced concrete, Brickwork	The component must be classified according to EN 13501-2 for the required fire resistance class.	600 kg/m³
Solid ceiling	Porenbeton, Stahlbeton		600 kg/m³

Characteristics

- AESTUVER™ Expansion joint tape does not need to be glued additionally
- Additional permanently elastic sealing, e.g. with "Thiokol", PU, silicone or acrylic sealing, has no negative influence on the fire resistance class.
- Combustible joint filler residues do not have to be removed

Specifications	
Length	1 m
Consumption	according to application
Color	red
Consistency	soft and elastic
Density	290 kg/m³ to 350 kg/m³

Storage	
Storage	original packaging (dry)



Approvals	
Approval (ZZ G50)	ETA-12/0119
Reaction to fire acc. EN 13501-1	class E
Use category acc. to EAD 350141-00-1106	Type Y ₁

Physical building material or product characteristics*.	
Permissible ambient conditions according to EAD 350141-00-1106*	Use at temperatures below 0°C with occasional UV exposure but without rain exposure
Permanent contact or ambient temperature	≤ 80°C
Thermal conductivity	$\lambda = 0,103 \text{ W/(m}\cdot\text{K)}$
Foaming factor**	1,6 times to 4,5 times
Inflation pressure	No inflation pressure measurable
Surface resistance***	$R_0 = 2 \times 10^9 \Omega$
Microbial metabolisability according to EN ISO 846	Inert resp. fungistatic resp. bacteriostatic

* Occasional, short-term exposure to splash water is unproblematic.
Overall, permanent wetness and, in particular, standing and pressing water should be avoided.

** Tested on samples at 450°C for 25 minutes with surcharge. The foaming factor is a laboratory value. The foaming behaviour in the installed state depends on the existing boundary conditions.

*** Test standards: BGR 132:2003 (2.6), DIN IEC 60167.

Dealer information				
Diameter in mm	16	24	30	39
max. joint width in mm	13	21	27	35
Article number	8061012	8061013	8061014	8061015
EAN 40 0 7548 01348 2	... 01349 9	... 01350 5	... 01351 2
Packaging	Carton			
Unit	1 piece á 1 m length			
Piece / Carton	20	20	20	20

Dealer information				
Diameter in mm	49	60	70	80
max. joint width in mm	45	55	65	75
Article number	8061016	8061017	8061018	8061019
EAN 40 0 7548 01352 9	... 01353 6	... 01354 3	... 01355 0
Packaging	Karton			
Unit	1 piece á 1 m length			
Piece / Carton	10	8	6	4

Processing

The European technical assessment ETA-12/0119, issued by the Austrian Institute for Construction Technology, is decisive for the design of the fire protection joints. All technical specifications of the ETA, e.g. type of joints, permissible stresses on the joints, can be found in the approval.

The joint edges must be dry and free of dust, grease and oil.

Use the appropriate AESTUVER™ Expansion joint tape for the joint width. AESTUVER™ Expansion joint tape up to 70 mm must be installed with an offset from the component surface. When installing in the construction joint, do not twist, distort or overstretch the AESTUVER™ Expansion Joint Tape. Compress the AESTUVER™ Expansion joint tape and push it into the joint. It can be butt-jointed without gluing.

Further notes

Our recommendations are based on extensive testing and practical experience. They do not replace guidelines, standards, approvals and other applicable technical data sheets. Due to the large number of possible influences during processing and application, we recommend that a trial processing and application always be carried out. No claims for compensation can be derived from the information given. Delivery, processing and warranty for the properties we have guaranteed are in accordance with our General Terms and Conditions.