

For fire-resistant joint seals >4 h (EI 240) with joint widths up to 150 mm, certified ETA-20/0662

Application areas

Wisabax BSF 1 fire stop Tape is used to seal horizontal and vertical linear fire stop joints between non-flammable, room-sealing, solid walls, ceilings and floors. Massive means concrete, aerated concrete, reinforced concrete or masonry with a minimum density of 700 kg/m³.

Product benefits

- fulfils EI 240 acc. to EN 13501-2, i.e. 4 impermeable to fire and fire gases
- suitable for joints and openings up to 150mm wide !!!
- suitable for expansion and movement joints up to 20% total movement absorption
- non-flammable according to class A1 acc. to EN 13501-1 and DIN 4102-1
- contains no flammable components
- no smoke generation and no flammable dripping in case of fire
- soft and highly flexible
- volumetric and dimensional stability
- thermal and sound insulating
- easy and rational to process
- only single-layer, max. 2-layer tamping
- life expectancy of >40 years acc. to ETA *
- available in 14 dimensions from 12 - 180 mm
- chemically neutral
- >1000 °C temperature-resistant
- thermal conductivity ca. 0.030 – 0.045 W/(m*K)
- can then be sealed with normal sealants (wide range of colours); can also be used in combination with fire protection sealants and fire protection foams
- with ETA approval (European Technical Assessment) no. ETA-20/0662



Base

flexible joint filler cord made of mineral fibres (rock wool) coated with a glass fibre mesh

Restrictions

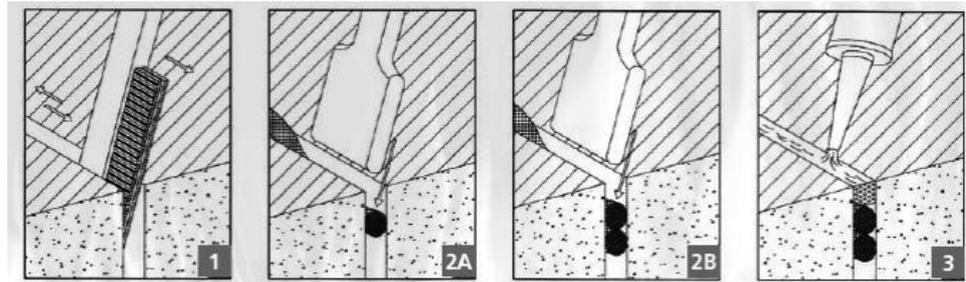
Protect from moisture and a relative humidity of more than 85 %. Therefore, after installation, avoid direct contact with indoor air, soil (e.g. ground), groundwater or surface water, e.g. by sealing with sealant, cover strip, etc.

- * The life expectancy of >40 years stated in the ETA cannot be interpreted as a guarantee by the manufacturer, but only as a means of selecting the right products in relation to the expected economically reasonable

Joint preparation

Thoroughly and completely remove all polystyrene, assembly foam, concrete spatter and debris. Clean the edges of the joint using suitable tools. If the joint is to be sealed with a permanently elastic sealant, follow the rules for joint sizing and the manufacturer's instructions (e.g. cleaning, priming, etc.)

Processing



Select the correct diameter depending on the joint size and application (static joint or moving joint). Insert the cord into the joint at the desired installation location and compact. When cutting to length, allow 10 mm more than the standard. If a second layer is required, insert and compact this as well; the first layer must have been compacted first. Then seal or cover the joint.

The specifications and conditions stated in the «European Technical Assessment» no. ETA-20/0662 must be complied with.

Safety

Wisabax BSF 1 fire protection joint cord contains synthetic mineral fibres. When cutting to length, use serrated or smooth-edged knives or scissors to avoid excessive dust formation. The technical rules for hazardous substances in accordance with TRGS 900 must be observed.

Diameter

Prescribed diameter of the Wisabax BSF 1 fire protection joint cord

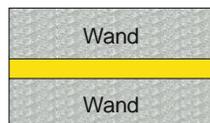
Joint width resp. opening gap width	Cord diameter for static joint (max. 7.5 % total movement absorption)	Cord diameter with moving joint (max. 20 % total movement absorption)
10 mm	12 mm	20 mm
15 mm	20 mm	20 mm
20 mm	30 mm	30 mm
25 mm	40 mm	40 mm
30 mm	40 mm	50 mm
40 mm	50 mm	60 mm
50 mm	60 mm	70 mm
60 mm	70 mm	80 mm
70 mm	80 mm	100 mm
80 mm	90 mm	110 mm
90 mm	100 mm	120 mm
100 mm	120 mm	140 mm
110 mm	130 mm	150 mm
120 mm	140 mm	170 mm
130 mm	150 mm	180 mm
140 mm	160 mm	-
150 mm	180 mm	-

Standard available
dimensions

	Item no.	Cord diameter	Packing unit
Standard sizes (roll goods)	BSF 1.012	12 mm	rolls of 20 m
	BSF 1.020	20 mm	rolls of 20 m
	BSF 1.030	30 mm	rolls of 20 m
	BSF 1.040	40 mm	rolls of 20 m
	BSF 1.050	50 mm	rolls of 20 m
	BSF 1.060	60 mm	rolls of 20 m
Custom dimensions XL (roll goods)	BSF 1.070	70 mm	rolls of 20 m
	BSF 1.080	80 mm	rolls of 10 m
	BSF 1.090	90 mm	rolls of 10 m
	BSF 1.100	100 mm	rolls of 10 m
Custom dimensions XXL (rods goods)	BSF 1.120	120 mm	2 rods of 1 m
	BSF 1.150	150 mm	2 rods of 1 m
	BSF 1.160	160 mm	2 rods of 1 m
	BSF 1.180	180 mm	2 rods of 1 m

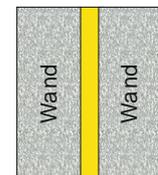
Joints in walls

Horizontal and vertical, between solid elements of min. 150 mm thickness (concrete, aerated concrete or masonry (bricking) with a minimum density of 700 kg/m³)



horizontal joint

**Wisabax BSF 1
Brandschutz-
fugenschnur**



vertical joint

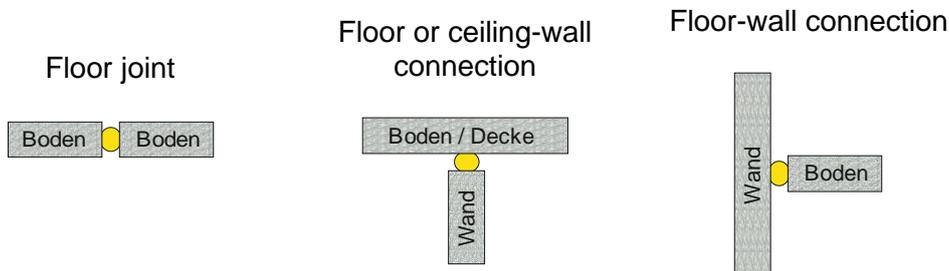
Joint width	Layer quantity **	Classification of fire resistance acc. to EN 13501-2 for joints in walls
10 - 150 mm	One layer Wisabax BSF 1 Fire protection joint cord	EI 240 – V – X – F – W 10 up to 150 (up to max. 7.5 % sideways movement approved)
10 - 100 mm	Two layers Wisabax BSF 1 Fire protection joint cord	EI 240 – V – M020 – F – W 10 up to 100 (up to max. 20 % sideways movement approved)
110 - 130 mm	One layer Wisabax BSF 1 Fire protection joint cord	EI 240 – V – M020 – F – W 110 up to 130 (up to max. 20 % sideways movement approved)

** The arrangement within the joint can be chosen to suit your requirements.

Joints on floors and ceilings

As per arrangement below; between solid elements of min. 150 mm thickness (concrete, aerated concrete or masonry (bricking) with a minimum density of 700 kg/m³)

Wisabax BSF 1 Brandschutz- fugenschnur



Joint width	Layer quantity **	Classification of fire resistance acc. to EN 13501-2 for joints in floors and ceilings
10 - 100 mm	Two layers Wisabax BSF 1 Fire protection joint cord	EI 240 – H – X – F – W 10 up to 100 (up to max. 7.5 % sideways movement approved)
110 - 150 mm	One layer Wisabax BSF 1 Fire protection joint cord	EI 240 – H – X – F – W 110 up to 150 (up to max. 7.5 % sideways movement approved)

** The arrangement within the joint can be chosen to suit your requirements.

Certificates

European Technical Assessment no. ETA-20/0662 (see Isopin)

Further information



You can find more information about this product (link to the product on our homepage, safety data sheet, certificates, special enquiries etc.) under the adjacent ISOPIN QR code.

Storage

The product has an almost unlimited shelf life and is functional.
Recommendation: In closed original packaging, protected from direct sunlight and stored in a dry place between +15 °C and +25 °C.

Safety and disposal: Familiarise yourself with the valid Safety Data Sheets (SDS) for the products used. All applicable safety regulations and disposal instructions must be observed.

Observe: All information is based on careful examinations in the labs and our previous practical experience. They are non-committal notes. Due to the many materials that are marketed and the different processing methods, which we cannot influence, we can, of course, not assume any warranty, including under patent-law, for the result of your work. We recommend performing sufficient own tests to find out if the product meets the respective requirements. In addition, we refer to our terms and conditions of sale, delivery and payment, available at www.wisabax.ch/agb.html. © Wisabax AG - This technical data sheet replaces all older versions.

Have you noticed an unclear formulation or an error? Thank you for your feedback. In case of doubt, the German version of the technical data sheet applies.