Technical Data Sheet

Wisabax® BS-Rundprofile

Joint filler for fire and acoustic insulation, flame retardant according to DIN 4102 - B1

Application areas Elastic, highly compressible and adaptable round cords for backfilling joints before sealing, e.g. in dry areas of buildings, rail and road vehicles with increased requirements for preventive fire protection.

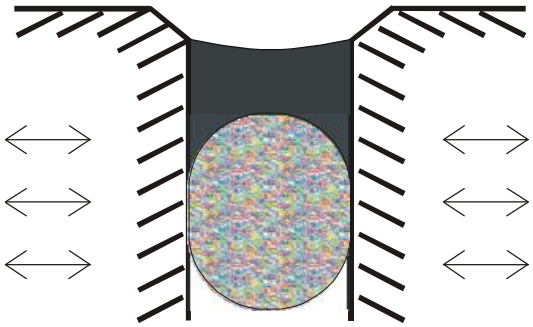

Diagram of a correctly dimensioned joint with BS round cord as backfill material

Product benefits

- ensures compliance with the joint dimensions
- prevents three flank adhesion
- no outgassing in sealants
- increased adhesive surface on the joint flanks due to round shape
- saves sealant
- chemically neutral
- flame retardant (however, melts under the effect of the flame)

Base soft foam based on melamine resin, open-pored and absorbent

Restrictions BS round profiles have a sponge-like water absorption capacity. This can lead to moisture-related structural or freezing damage. Therefore, where water ingress is expected, it is recommended to consider using alternative backfilling materials.

Processing The diameter of the round profile must be selected so that it is compressed in the joint by about 25 %.

Fire behaviour by country

Germany	flame retardant acc. to DIN 4102 - B1
Austria	B1, TR1, Q1 acc. to Önorm (Austrian Standards International) B 3800
France	M1 acc. to NF P 92-501
Italy	cat. I acc. to CSE RF 2/75/A
Great Britain	class 0 acc. to BS 476, part 6/7

Wisabax®
BS-Rundprofile

Fire behaviour in vehicle technology	Rail vehicle	S4, SR2, ST2 acc. to DIN 54837, DIN 5510
	Road traffic	meets the requirements of FMVSS 302
	Smoke emission	meets the requirements of ASTM E662-83 and ABD 0031ATS 1000.001
	Cargo hold equipment	meets the requirements of a-1 acc. to FAR 25.855

Conclusive statements regarding the fire behaviour of joints can only be made by testing the entire element.

The following basic rules apply to the sizing of sealing joints, unless otherwise specified by the manufacturer:

Minimum joint width: 5 mm, minimum joint depth: 5 mm
Maximum joint width: 25 mm, maximum joint depth: 12mm
The sealant should not be deeper than the width of the joint.

	Joint width							
Joint depth	4 mm	5 mm	6-7 mm	8-10 mm	12 mm	15 mm	20 mm	25 mm
4 mm								
5 mm								
6 mm								
7 mm								
8 mm								
10 mm								
12 mm								

Optimum dimensions for moving joints
Limit dimension for slightly moving joints
Dimension for **non-stressed joints**

Density	ca. 8 - 11 kg/m^3 (depending on diameter)
Water vapour diffusion	water vapour diffusion resistance coefficient μ = ca. 1 - 2 acc. to DIN 52615
Tensile strength	ca. 0.12 N/mm² (acc. to DIN 53571)
Breaking elongation	>10 % (acc. to DIN 53571)
Compression hardness	ca. 6 - 20 kPa at 40 % deformation (acc. to DIN 53577)
Temperature resistance	from ca. -30 °C up to ca. +150 °C for a short time up to +200 °C
Colour	**grey**

Wisabax® BS-Rundprofile

Standard stock dimensions

Ø [mm]	Packing Unit [m]	Item no.
10 mm	large carton box of 1500 m	BSR 1810.1500
20 mm	large carton box of 500 m	BSR 1820.500
30 mm	large carton box of 250 m	BSR 1830.25
40 mm	large carton box of 100 m	BSR 1840.100

Delivery form (**good to know...**)

This item is available in metre rods.
On request, this foam is also available as sheets or soundproof pyramids. Further dimensions on request.

Further information

More information about this product (current technical data sheet, safety data sheet, certificates, product variants, etc.) can be found via the adjacent QR code.

Shelf life

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.