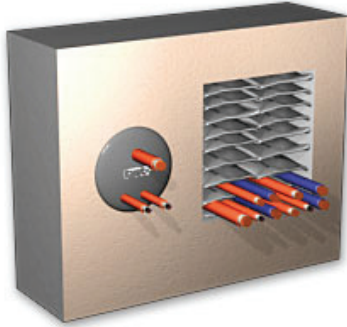


Register 6 - Index bst Fire Stop Pillows and Sponges



bst Fire Stop Pillows and Sponges are the simplest way to create fire-resistant cable penetrations

Pillows, - consisting of resistant fibre glass filled with intumescent grain, - or Sponges made from a foam rubber-like intumescent material, are put tightly into remaining space of the penetration. A fire rated cable penetration has been completed!



bst Fire Stop Pillows are certainly the easiest way to install a tested fire-resistant barrier in cable penetrations. They are highly recommended for temporary filling of transits during building constructions when cables will be added in later phases of construction, but they can also be used as a permanent and durable barrier against fire.

more information



Similar to Fire Stop Pillows the **SPG Fire Stop Sponges** can easily be installed by an untrained worker. By pressing the material together, cutting it with a knife or simply tearing it off plugs and blocks it can be adapted to any form required. The barrier can be disassembled at any time and the material may be used again in another penetration or transit.

more information

Register 6 bst Fire Stop Pillows

Design



bst Fire Stop Pillows are certainly the easiest way to install a tested fire-resistant sealing for cable penetrations. They are especially recommended for temporary sealings in building constructions whenever cables are laid subsequently, but they can also be used as a permanent and durable sealing against fire.

Outer bag made from resistant woven fibreglass, with coated surface, silver-grey. Inner bag made from polyethylene, tightly welded together, filled with an intumescent (heat-expanding) special grain.

Advantages

Very easy to install due to smooth surface and utmost flexibility, low weight but large volume, water-proof, to a great extent resistant against acids and oils, re-usable and simple handling in case of subsequent installations.

Installation

Wall penetration: after cables have been laid, the remaining space is to be filled completely. Independent of wall thickness the bst Fire Stop Pillow has to be put into the opening by length (300mm).

Floor penetration : as described above. In addition, the bst Pillows are to be secured from falling apart with a 4mm steel wire (leading through the punched loops).

Dimensions and Packaging units

Type	WxHxD	Pcs. per m ²	Packing unit
Typ 0,5 (Small)	50x30x300mm	ca. 450 pcs.	150 pcs.
Typ 1 (Medium)	100X30X300mm	ca. 250 pcs.	90 pcs.
Typ 2 (Large)	200x30x300mm	ca. 130 pcs.	40 pcs.

Register 6 bst Fire Stop Pillows

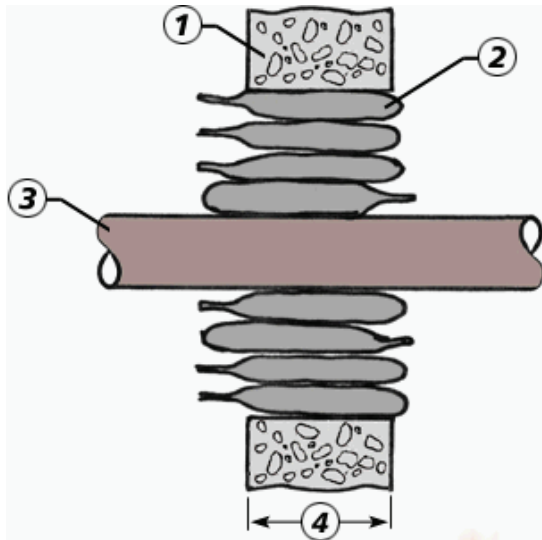
Technical Data

Delivery form: as fine to rough grain; temperature of reaction: 140-145° C; density: 400 kg/m³ approx.; contents of non-volatile materials: 99% approx.; volume loss by heating at 550°C/45 min.: 5.45%; foam thickness at 550°C/45 min.: 2,4 fold; intumescent pressure at 350°C: 0.34 N/mm²; combustibility: B2.

Application

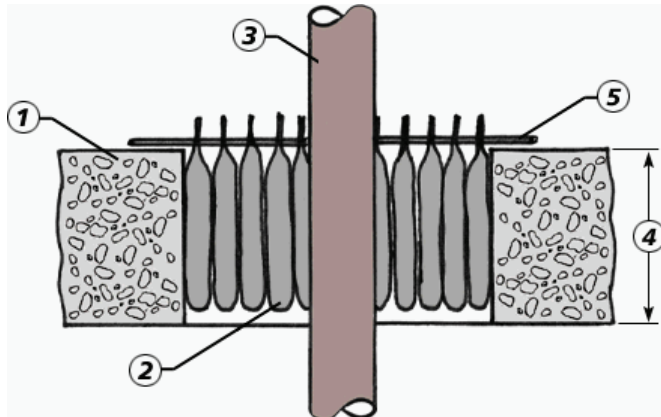
Installation of bst Fire Stop Pillows in Walls and Floors

Fire Stop Pillows installed in a wall acc. to fire resistance class S90



- 1.] Wall
- 2.] Fire Stop Pillow, length 300mm
- 3.] Installation (Cable or Pipe)
- 4.] Minimum Wall thickness, 100mm

Floor penetration with Fire Stop Pillows acc. to fire resistance class S90



- 1.] Floor
- 2.] Fire Stop Pillow, length 300mm
- 3.] Installation (Cable or Pipe)
- 4.] Minimum Wall thickness, 150mm
- 5.] Steel Wire 4mm

Register 6 bst Fire Stop Sponges

Design

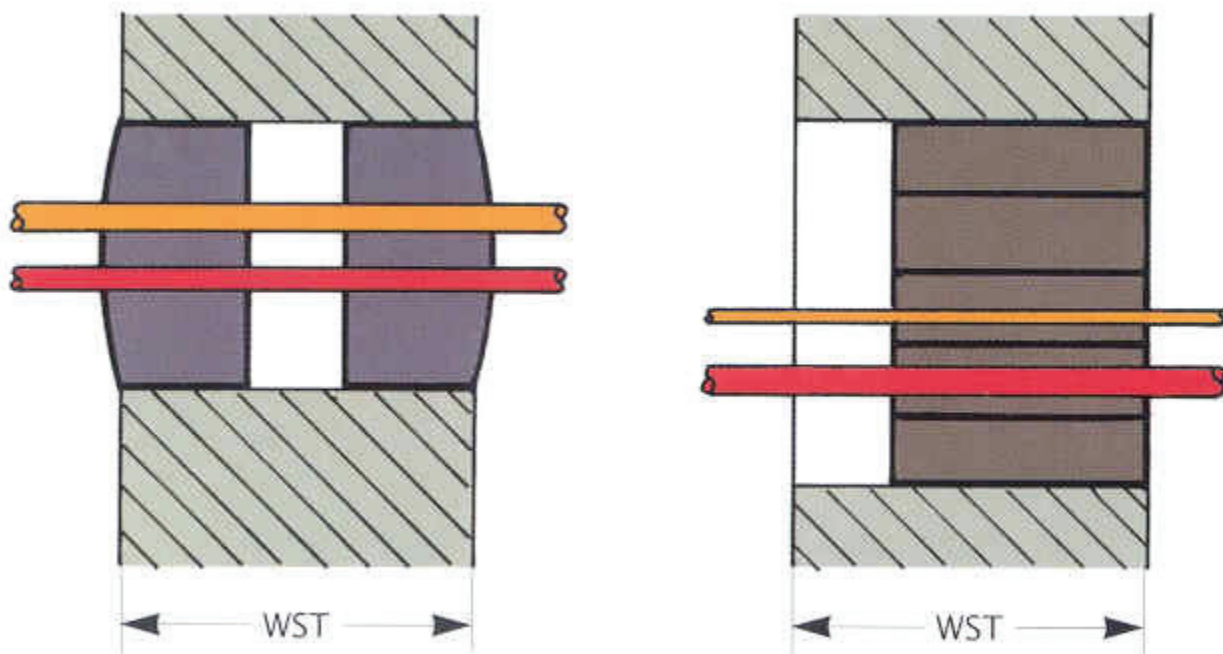


Similar to Fire Stop Pillows the SPG Fire Stop Sponges can easily be installed by an untrained worker. By pressing the material together, cutting it with a knife or simply tearing it off plugs and blocks can be adapted to every form required. Sealing can be disassembled any time and material may be used again for the renewed sealing.

SPG Fire Stop Sponges are made from a soft, flexible, sponge-like material with intumescent (heat-expanding) effect. They are especially suitable for the sealing of cables and metal pipes against fire, smoke and sound.

Installation Directions

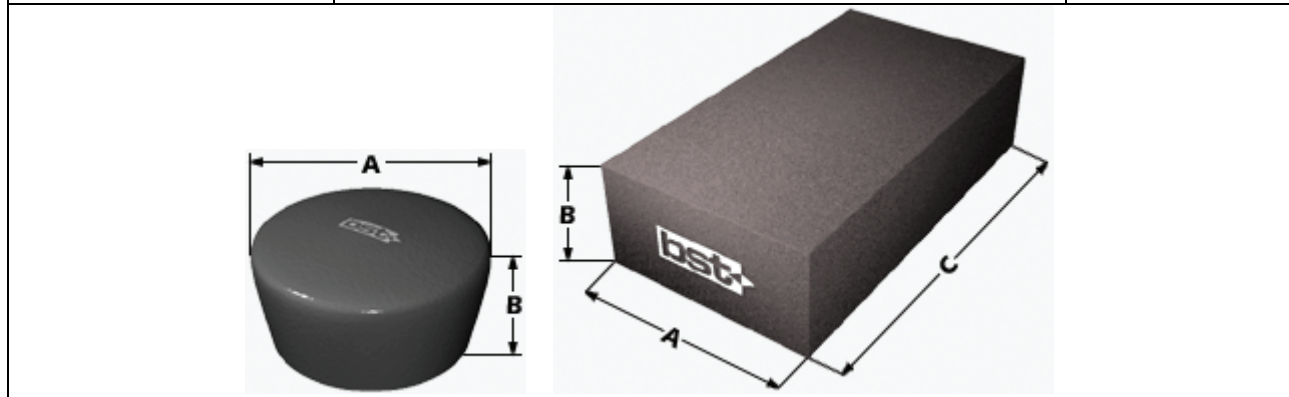
To achieve a fire-resistant sealing to class S90 (F90) SPG Plugs have to be installed back to back (2 pcs in each core hole). SPG Blocks have to be installed by their depth of 220mm, independent of wall or floor thickness. Gaps between the sponges and cables are to be filled with SPG Mastic.



Register 6 bst Fire Stop Sponges

Dimensions and Packaging units

Round plugs	A	B	Bore	Rectangular blocks	A	B	C	Demand/m ²	Coils	Length	
SPG 60	55-70	70	ø50mm	SPG 120/60/220	120	60	220	ca. 135 pcs.	SPG 15	600mm	
SPG 90	85-100	70	ø80mm	SPG 200/60/220	200	60	220	ca. 83 pcs.	SPG 22	600mm	
SPG 110	105-120	70	ø100mm	SPG 600/60/220	200	60	220	ca. 28 pcs.	SPG 30	600mm	
SPG 135	130-145	70	ø125mm								
SPG 160	155-170	70	ø150mm								
SPG 210	205-220	70	ø200mm								
SPG Mastic in cartridges of 310 ml										sizes in mm	



Technical Data

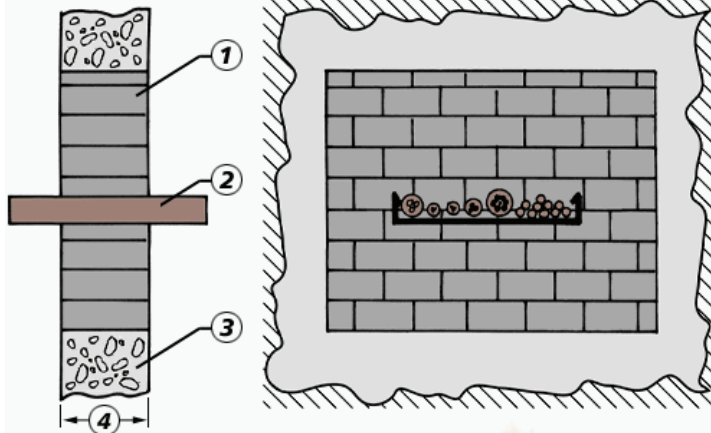
Colour: light-grey, design: plugs, blocks and coils; temperature of reaction : approx. 300°C, onset of expansion:> 100 %; density: 240 kg/m³, ± 10 kg; combustibility: B2 (DIN 4102); oxygen index: 41 (ASTM D-2863 / LOI); Epiradiateur test: M3; compression set: 5 % (DIN 53 572, 22 hrs. at 70° C and 50 % compression); elongation: 65 % (DIN 53 571); tensile strength: 100kPa (DIN 53 571); thermal conductivity: 0,06 W/mK (DIN 52 612 / at thickness of 30mm); electrical surface resistance: 2.3 10⁸Ω (VDE 0303); dielectrical constant: 2.8 (DIN 53483 / 1kHz); dielectric loss factor: 1.9 (DIN 53 483 / 1kHz); Sound transmission characteristic: 42 dB (DIN 52210 / at thickness of 22 cm); fire resistance class: S90 (ÖNorm B3836 / at sealing thickness of 22 cm resp. 16 cm); **Note:** Do not use in wet rooms; avoid water contact ! Approval DIBT Berlin: Z-19.11-1157. Properties remained unchanged after storage 120 days at 60° C and 96-98 % humidity, resp. 120 days at 87° C and normal humidity.

Register 6 bst Fire Stop Sponges

Application

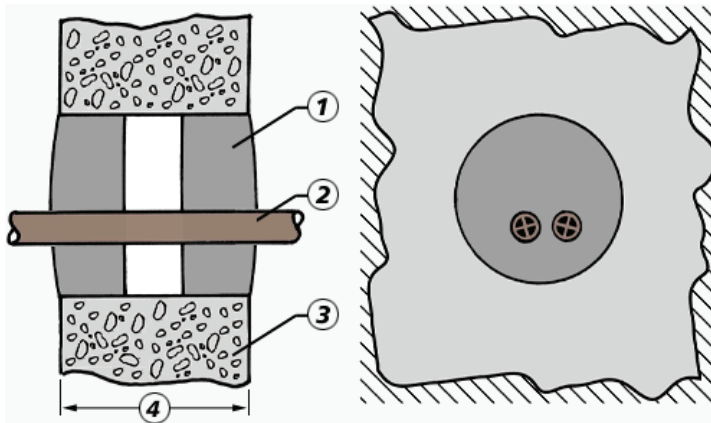
Installation of bst Fire Stop Blocks and Plugs "SPG" in Walls and Floors

bst Fire Stop Sponges (blocks) installed in a wall



- 1.] Fire Stop Sponge Block, SPG
- 2.] Installation (Cable or Pipe)
- 3.] Concrete or Brickwork wall
- 4.] Minimum thickness, 200mm

Back-to-back Plug installation according to fire resistance class S90



- 1.] Fire Stop Plug
- 2.] Installation (Cable or Pipe)
- 3.] Concrete or Brickwork wall
- 4.] Minimum thickness, 200mm