



## Fire Protection System BS 90

### Cable Shield to DIN 4102

Admissible for all types of cables, like e.g. PE, VPE, aluminium cables and optical fibres

Admissible for single lines of steel and plastic

Admissible for supporting systems

For a wall thickness from 100 mm and a ceiling thickness from 150 mm

BS 90 plugs for bore holes up to 200 mm

BS 90 blocks for openings

BS 90 shield cases with frame for light partition walls

BS 90 shield cases without frame for brickwork

Dust- and fibre-free installation in dry construction

Simple subsequent installation possible

Short installation times, no special tools required

No coating of cables required

No limitation of the total conductor cross section for individual cables

BS 90 shield cases extendable in modular design

BS 90 shield cases guarantee fire protection already during the building phase



The UGA fire protection system BS 90 has been tested and approved according to DIN 4102, part 9 by DIBt in Berlin for cable shields of fire resistance class S 90 for installation into walls and ceilings of fire resistance class F 90.

Approval no.: Z-19.15-1230, Z-19.15-1346, Z-19.11-1226, and Z-19.11-1227.

Our approvals are permanently updated due to further developments.



SYSTEM-TECHNIK

*Leading in ideas*

# BS 90

## Cable Shields

Openings in fire lobby walls and ceilings have to be closed with admissible fire barriers according to building regulations.

Otherwise fire, smoke gas and decomposition products spread too quickly into the next fire lobby or section of the building.

A reliable countermeasure is sealing the opening with our fire protection system BS 90.

The UGA fire protection system BS 90 has been tested and approved according to DIN 4102, part 9 by DIBt in Berlin for cable shields of fire resistance class S 90 for installation into walls and ceilings of fire resistance class F 90.

Approval no.: Z-19.15-1230, Z-19.15-1346, Z-19.11-1226, and Z-19.11-1227.

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# BS 90-ST

## Fire Protection Plugs

### Notes on Installation / Specifications Text

#### UGA BS 90 Cable shields

Cable shield for wall and ceiling openings in concrete, masonry, or light partition walls to DIN 4102, part 9, fire resistance class S 90. Supply fireproof material, dust- and fibre-free, foaming in case of fire, and install it according to approval regulations. The material must be suitable for easy and dust-free subsequent installation. Cable coatings as well as mineral fibre or mortar shields are not admissible.

Make: **UGA SYSTEM-TECHNIK**  
Type **BS 90-ST**  
or of similar quality

e.g.:  
order no.: **BS 90-ST/100**  
for core holes  $\varnothing$  100 mm



#### BS 90-ST/D

(D = diameter of core hole available up to 200 mm, approval no. Z-19.15-1230)

Two plugs are required for cable shield S 90 which are inserted on both sides of the fire wall. Cable spandrels, gaps and joints are closed with UGA BS 90-K fire protection putty.

BS 90-ST/20

BS 90-ST/40

BS 90-ST/50

BS 90-ST/60

BS 90-ST/80

BS 90-ST/100

BS 90-ST/125

BS 90-ST/150

BS 90-ST/200

Thickness of plugs 70 mm

# BS 90-B / BS 90-RW

## Fire Protection Blocks / Fire Protection Material on Rolls



### BS 90-B, BS 90-BG

(Fire Protection Block approval no. Z-19.15-1346)  
Dimensions: as required

BS 90 Fire Protection Blocks are admissible for structural openings. BS 90 Fire Protection Blocks are inserted in structural openings. Cable spandrels, gaps and joints are closed with UGA BS 90-K fire protection putty. The required amount of BS 90-B depends on the size of the structural opening.

#### BS 90-B

220 x 120 x 70 mm

#### BS 90-BG

600 x 220 x 70 mm



### BS 90-RW

(Strips of Fire Protection Material or Fire Protection Material on Rolls approval no. Z-19.15-1346)

BS 90 Fire Protection Material is admissible for structural openings.

BS 90 Fire Protection Material is inserted in structural openings. Cable spandrels, gaps and joints are closed with UGA BS 90-K fire protection putty.

BS 90 Fire Protection Material is easy to transport and facilitates cutting to size at site.

#### BS 90-RW

220 x 20 x 1.000 mm

### Notes on Installation / Specifications Text

#### UGA BS 90 Cable shields

Cable shield for wall and ceiling openings in concrete, masonry, or light partition walls to DIN 4102, part 9, fire resistance class S 90. Supply fireproof material, dust- and fibre-free, foaming in case of fire, and install it according to approval regulations. The material must be suitable for easy and dust-free subsequent installation. Cable coatings as well as mineral fibre or mortar shields are not admissible.

Make: **UGA SYSTEM-TECHNIK**  
Type **BS 90-B**  
or of similar quality

e.g.:

size of opening: 200 x 200 mm

3 off order no.: **BS 90-B**

or

1 off order no.: **BS 90-BG**

or

2 off order no.: **BS 90-RW**

# BS 90-SKR

## Shield Casing for light partition walls



### BS 90-SKR/100/1x1/L

(BS 90 Shield Casing, approval no. Z-19.15-1230, Z-19.15-1346)  
width 100 mm, height 100 mm (clear passage dimension, L = overall length in mm; min. 200 mm, minimum wall thickness 100 mm)

BS 90 Shield Casing with fire protection filling as installation unit for light partition walls with frame.

BS 90-SKR/100/1x1/L

BS 90-SKR/100/1x2/L

BS 90-SKR/100/1x3/L

BS 90-SKR/100/1x4/L

BS 90-SKR/100 /2x2/L

BS 90-SKR/100/2x3/L

BS 90-SKR/100/2x4/L

BS 90-SKR/70x200/1x1/L

BS 90-SKR/100x200/1x1/L

Other designs on request

Also available as shield casing for masonry or concrete.  
BS 90-SK without frame.

Shield casing system with fire protection filling for walls and ceilings of masonry or concrete for installation into solid walls and ceilings.

Sizes and processing as for BS 90-SKR.

### Notes on Installation / Specifications Text

#### UGA BS 90 Shield Casing with Frame

Shield casing system with fire protection filling for wall and ceiling openings in light partition walls to DIN 4102, part 9, fire resistance class S 90.

Supply shield casing system and install it according to manufacturer's regulations. Installation at the structural phase guarantees fire protection already during the whole building phase. The shield casing system allows a dust- and fibre-free cable shield which expands by foaming in case of fire and can be easily installed subsequently. Cable coatings as well as mineral fibre or mortar shields are not admissible.

Make: **UGA SYSTEM-TECHNIK**  
Type **BS 90-SKR**  
or of similar quality

e.g.:

order no.: **BS 90-SKR/100/1x2/L**

Shield Casing for light partition walls with 2 openings next to each other, 100 x 100 mm



# BS 90-K

## Fire Protection Putty

### Notes on Installation / Specifications Text

**Fire Protection Putty BS 90-K** in connection with BS 90-ST, -RW, -SKR, -SK or BS 90-B for closing spandrels, gaps and joints according to approval regulations.

Make: **UGA SYSTEM-TECHNIK**  
or of similar quality

e.g.:  
order no.: BS 90-K



**BS 90-K**  
(BS 90 Fire Protection Putty / 310 ml)  
Approval no. Z-19.11-1226  
BS 90 Fire Protection Putty for filling cable spandrels, gaps and joints around cable shields

# BS 90-DS

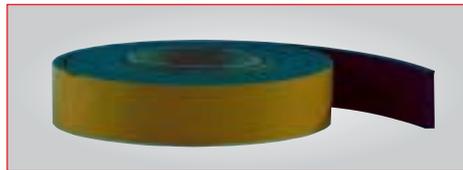
## Fire Protection Sealing Strips

### Notes on Installation / Specifications Text

**UGA BS 90-DS** to DIN 4102. Supply and install fire protection material, dust- and fibre-free, foaming in case of fire. Material must be suitable for easy and dust-free subsequent installation.

Make: **UGA SYSTEM-TECHNIK**  
Type **BS 90-DS**  
or of similar quality

e.g.:  
order no.: BS 90-DS



**BS 90-DS**  
(Sealing Strips  
approval no. Z-19.11-1227)  
BS 90 sealing strips, self-adhesive,  
as fire protection sealing  
BS 90-DS  
35 x 5 x 1.000 mm  
BS 90-DS  
35 x 5 x 10.000 mm

We provide replacements for all parts which are impaired in their function due to faults in the material. No replacement for defects that are due to transport or storage or result from faulty processing or installation or the effects thereof. Our specifications are based on the current state of the art. Subject to technical modifications. Due to the amount of possible influences during installation and application our specifications do not release processors and users from checking and testing the material themselves.

**For special applications please do not hesitate to contact our technical department.**



Sealing systems and fire protection for cables and pipes

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