



Socket Box Cover

Tenmat's SBC, Socket Box Covers are designed to reinstate the fire resistance performance of fire rated partition (stud) wall constructions where electrical socket or switch back boxes have been installed.

Product Description

Tenmat's Socket Box Covers (SBC) are manufactured from halogen free, low smoke, intumescent mineral fibre material and are designed to reinstate the fire performance of partition (stud) wall constructions when penetrated by steel or plastic electrical socket back boxes. The cover will also provide resistance to the passage of sound and air movement.

In the event of a fire the Socket Box Covers (SBC) intumescent material will expand to enclose the electrical back box and cables, providing effective fire resistance, for integrity and insulation for 60 or 120 minutes depending upon the partition (stud) wall construction.

Product Advantages

Technical

- BS 476 Fire Tested for 120 Minutes
- EN 1366-3 Tested to EI60 Minutes for use with European Style Single Sockets only
- Tested for minimal acoustic noise transfer or air movement
- Suitable and tested with plastic back boxes, also suitable for steel back boxes
- Available for single and double sockets

Installation and maintenance

- Pre-formed for easy installation – can be installed in seconds
- No maintenance – SBC should not move or become damaged if the socket is replaced, if fitted correctly
- Mess free installation – no need for adhesives, screws or drilling
- Can be retrofitted – also works when fitted back to back in uninsulated walls

Packaging

	Per Box	Pallet
Single	500	4 boxes
Double	300	4 boxes

Approved Applications

Socket Box Covers (SBC) - 10mm thick version

Fire Test Performance tested to BS 476: Part 20

Wall Construction	Tested back to back or offset, space between boxes	Single box 80mm x 80mm x 40mm, suits both 35 and 47mm deep back boxes.	Double box 150mm x 80mm x 40mm suits both 35 and 47mm deep back boxes.	Plastic dry lining back box (patress)	Integrity	Insulation	Tested System and Assessment Reports
120mm Plasterboard (Stud) wall - 2x 12.5mm plasterboard either side of 70mm steel stud	Single Back to Back Double Offset 150mm horizontally	Yes	Yes	Yes	120	120	Chilt/ IF07055

Socket Box Covers (SBC) - 4mm thick version

European Fire Performance tested in accordance with BSEN 1363-1:1999 and BSEN 1366-3:2009

Wall Construction	Tested back to back or offset, space between boxes	Plastic dry lining back box (patress)	Integrity (E)	Insulation (I)	Classification (EI)	Tested System and Assessment Reports
100mm Plasterboard (Stud) wall - 15mm plasterboard either side of 70mm steel stud	150mm horizontally	Yes, Circular 67mm dia. only	60	60	60	Chilt/ RF12096 AR2

Sizes

BS 476 Tested Version

Nominal Thickness 10mm

Single box 80mm x 80mm x 40mm, suits both 35 and 47mm deep back boxes.

Double box 150mm x 80mm x 40mm suits both 35 and 47mm deep back boxes.

EN 1366-3 Tested Version

Nominal Thickness 4mm

Single Box 80mm x 80mm x 40mm - suits 67mm diameter circular sockets.

Physical Properties

Property	Typical Value
Density	200 kg/m ³
Free Expansion (Ratio : 1)	6:1
Activation Temperature	200°C
Thermal conductivity (λ) ISO 8301:1991 and BS EN 12667: 2001	0.0343
Acoustic Performance (BS EN ISO 717-1:1997)	67 Rw(C; C;tr) dB

Storage & Durability

Storage	Dry, ambient
Transportation storage temperature	-20°C to +70°C
Working Life	48 years
Smoke/Halogen Content	Low Smoke / Zero Halogen

Tools / Fittings

- As required by employer's risk and method statements
- Hand and eye protection, to protect from wire cutting
- Wire cutters to cut steel wire legs (retaining legs)

Intended use

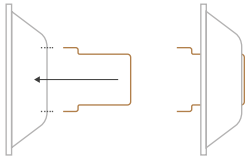
Internally used within partition (stud) wall voids, fitted behind recessed socket back boxes to reinstate fire resistance performance.

Transportation

- Store in a cool dry place
- Take care not to exceed safe working loads and heights for storage shelves and racks

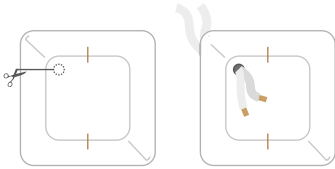


Fitting Instructions



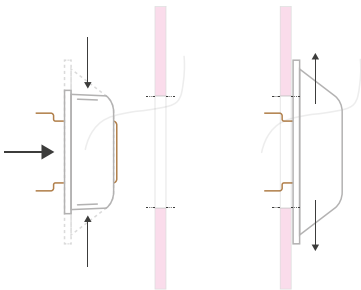
STEP 1

Push the retaining wire legs through the holes in socket cover.



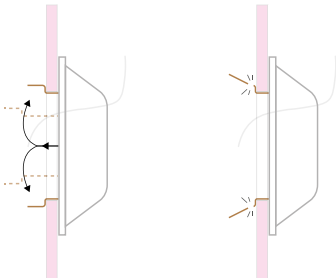
STEP 2

Pierce a hole, as small as possible, in the rear of the socket cover, in the position required for the cables to pass into the socket back box and feed the cable through the rear of the cover.



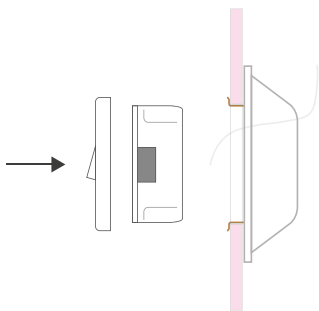
STEP 3

With the retaining wire legs at 90 degrees to the wall surface, fold the sides of the cover to form a flat rectangle. Hold on to the wire legs and pass the flat rectangle through the hole in the wall. Allow the cover to spring back into shape within the wall and move the cover until the correct position is achieved, ensuring that the cover fully surrounds the aperture.



STEP 4

Pull the retaining wire legs to the front face of the plasterboard wall surface ensuring that the small bend in the wire firmly engage with the wall surface. Cut off the excess from the retaining wire legs, using wire cutters or pliers, this should leave at least 10mm of retaining wire to be visible on the front face of the plasterboard.



STEP 5

Fit the socket box in the aperture to the manufacturer's instructions. Make the electrical connections as required to the socket plate and fit the face plate in the normal manner.

Socket Box Cover (SBC)

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