

Intumescent Fire & Acoustic Socket Box

Trade Name: ASTRO FRA Socket Box Cover

FEATURES

Easy to install *putty pad* alternative

Tested to BS 476 Part 20 for up to 120 minutes.

Prevents or delays fire from entering a wall cavity and attacking the building structure.

Provides an effective acoustic barrier to both impact and airborne sounds.

The covers are pre-formed to fit the boxes.

Simple and fast mechanical fixing, no adhesives, no mess. No additional screws, drilling or support required - saves money

Can be retro fitted to existing sockets / switches or fitted during wall construction.

Replaces time consuming plasterboard lining of sockets / switches

The switch / socket box can be removed without disturbing or replacing the cover.



Description

The use of recessed switch and socket boxes in walls is widespread in private, public and commercial buildings. The walls are subject to fire regulations and most will have to be fire rated.

Once a hole is made in the wall for a recessed switch or socket box, the fire integrity of the construction is compromised: in addition the ability for the wall to provide an effective acoustic barrier is also impaired. For timber framed buildings preventing a fire from entering wall cavities and attacking the structure is critical to the overall fire integrity of the building.

To combat these fire risks ASTROflame, as part of its continuing development of passive fire and acoustic protection solutions, has developed a socket / switch fire and acoustic protection cover as an easy fit alternative to conventional putty pads.

These intumescent covers have been developed to provide maximum protection for wall penetrations created by the introduction of single and double recessed switch / socket boxes. Easy to fit they restore and maintain fire insulation and integrity in plasterboard walls for up to 120 minutes.

In a fire situation, the cover expands internally to fill all of the available space with a fire resistant highly insulating char. The fire is unable to penetrate the hole and the cover is able to give additional insulation protection to the wall void by reducing the chance of heat build up and the ignition of



flammable structural members.

The penetration in the wall also provides a path for air (creating heat loss and drafts) and noise transmission - fitting an ASTRO FRA Socket Box Cover reduces these problems.

The one-piece socket box is designed for most common single & double electrical boxes. In a wall with two layers of plasterboard on each face, the ends of the fixing wires can be pushed between the plasterboard layers.

Availability

Single or Double Socket sizes / one per box or boxes of 10 per size

Single size cover dimensions: 90mm x 90mm x 50mm deep

Double size cover dimensions: 160mm x 90mm x 50mm deep

To Order & Specify

Please quote : QTY / TRADE NAME / SIZE / PRODUCT REF

Typical wording

10 / ASTRO FRA SOCKET BOX COVER / SINGLE / AFFRASOCS

10 / ASTRO FRA SOCKET BOX COVER / DOUBLE / AFFRASOCD

Fire Test And Assessment Reports

ASTRO FRA Socket Box Covers have been tested to BS476 part 20 in an un-insulated plasterboard wall construction for 120 minutes without failure in either insulation or integrity.

Acoustically tested by BRE to both BS EN150 140-3: 1995 and BS 2750 Part 3 1995.

Health And Safety

See COSHH Sheet.

Installation

Please refer to our install sheet

For additional testing, or technical information please contact ASTROFLAME FIRESEALS LTD.

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Related Documents

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