

Trade Name: ASTRO FRA Socket Box Insert

A Putty Pad alternative - Intumescent Fire & Acoustic Internal Socket Box Insert

Easy to install putty pad alternative.

Single and Double socket sizes available.

Tested to BS EN 1366-1 | 13664-2 for up to 120 mins.

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

Maintains the fire protection performance of the wall- preventing or delaying the spread of fire.

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

The inserts are pre-formed to fit all common socket box types.

Simple and fast mechanical fixing, no adhesives, no mess.

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

Replaces time consuming plasterboard lining of sockets / switches

The Socket box insert can be removed and replaced if additional wiring is required.

Unique flanged design holds the socket box insert in place during a fire

Air leakage tested to BS EN 1026:2000 over a pressure range of 2-50 Pa.



Description

Socket Box Inserts are used to restore the fire rating of a wall otherwise compromised by apertures and gaps following the fitting of socket boxes. This design also restores the acoustic and thermal performance of the wall and its air-tightness.

Inserts are quick and easy to fit in comparison with traditional putty pads.

Once a hole is made in the wall for a recessed switch or socket box, the integrity of the construction and its ability to perform in a fire can be significantly reduced. The acoustic performance of the wall is also affected and air leakage will increase.

Air leakage allows heat loss and noise transmission. A single socket can leak over 3.5 cubic metres of air per hour and the combined air leakage of all the sockets in a room can create significant thermal loss.

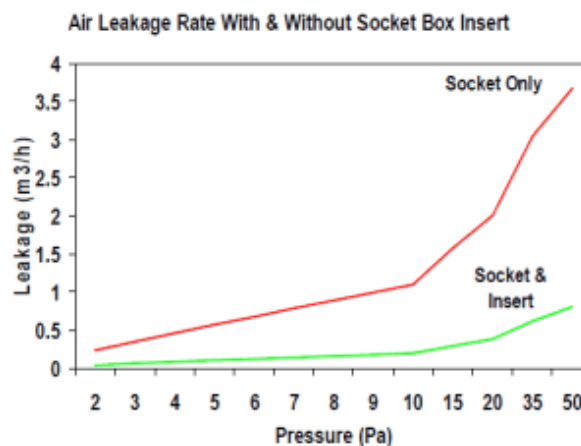
The graph opposite show how our socket box inserts improve air-tightness at normal room air pressures. A correctly fitted insert can almost match the performance of an unpenetrated wall.

The material used to construct the socket insert is a good insulator, which further prevents heat loss and maintain insulation continuity of the wall.

Acoustic performance is good, being rated at -67dB

The socket box inserts are quicker and easier to fit that traditional putty pads. In a fire the inserts flanged design ensures that the fire resistant material remains in place to limit the spread of fire through the socket penetration.

Astro FRA Socket Box Inserts are designed to fit common plastic / metal single / double socket box sizes.



Availability

Single or Double Socket sizes supplied as one per box or in boxes of 10 per size.

Available in:-
Standard Depth - 35mm deep
or Extra Deep - 47mm deep

To order & specify

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

Typical wording
10 / ASTRO FRA SOCKET BOX INSERT / SINGLE / AFFRASOCSIN
10 / ASTRO FRA SOCKET BOX INSERT / DOUBLE / AFFRASOCDIN

To order Extra Deep (47mm deep) add **X** to end of product code

10 / ASTRO FRA SOCKET BOX INSERT / SINGLE / DEEP / AFFRASOCSIN**X**
10 / ASTRO FRA SOCKET BOX INSERT / DOUBLE / DEEP / AFFRASOCDIN**X**

Fire Test and Assessment Reports

Fire tested to BS EN 1366-1 | 13664-2 for up to 120 mins.

Acoustic tested BS EN ISO 140-3:1995 and BS EN ISO 717-1:1997

Air leakage tested to BS EN 1026:2000 over a pressure range of 2-50 Pa.

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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Astroflame (Fire Seals) Ltd. Intumescent House
Unit 8, The IO Centre, Stephenson Road, Segensworth
FAREHAM, ENGLAND PO15 5RU

tel 0800 023 2482
(01329 844500)

fax 0800 023 2483
(01329 844600)

intl
tel +44 1329 844500

fax +44 1329 844600

email sales@astroflame.com

[Homepage.](#)