

# Product Data Sheet

## Astro FRA Socket Box Insert

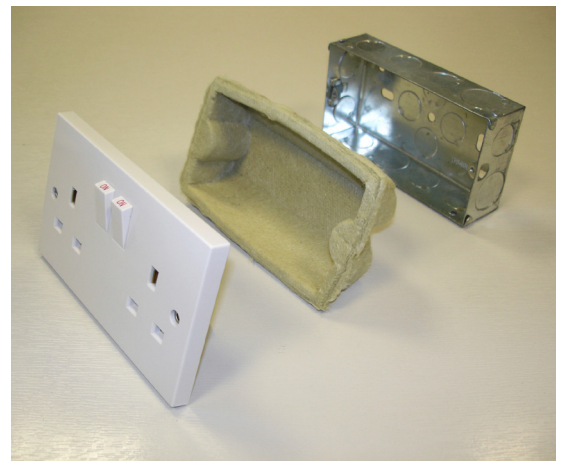
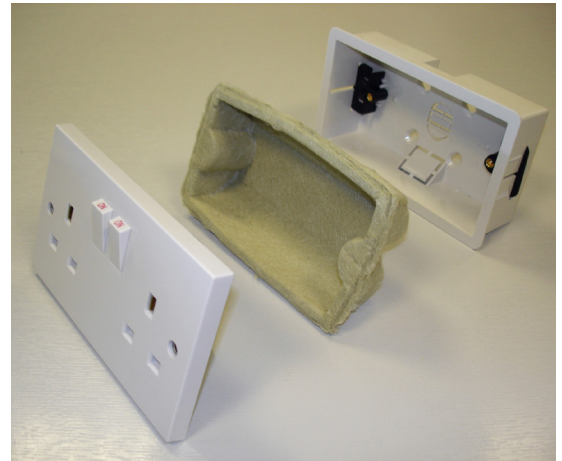
Revision 9 - 9th March 2021



## Astro FRA Socket Box Insert

### Fire & Acoustic Internal Socket Box Insert

- Easy to install putty pad alternative.
- Single and Double socket sizes available.
- Tested to BS EN 1363-1 | BS EN 1364-1 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.



- Acoustic Tested to BS EN ISO 140-3: 1995 and BS EN ISO 717-1: 1997.
- Unique flanged design holds the socket box insert in place during a fire

#### Product 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.

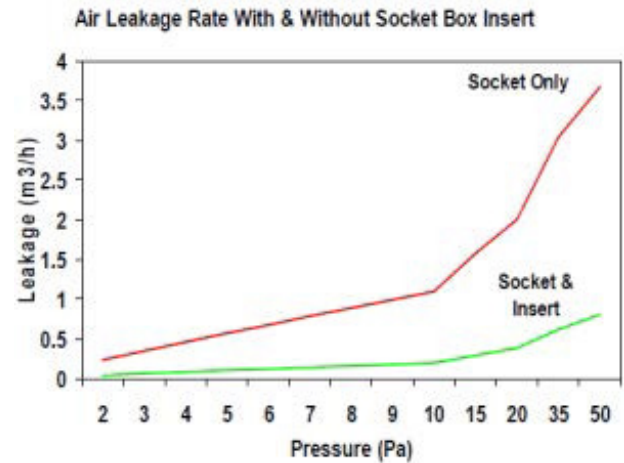
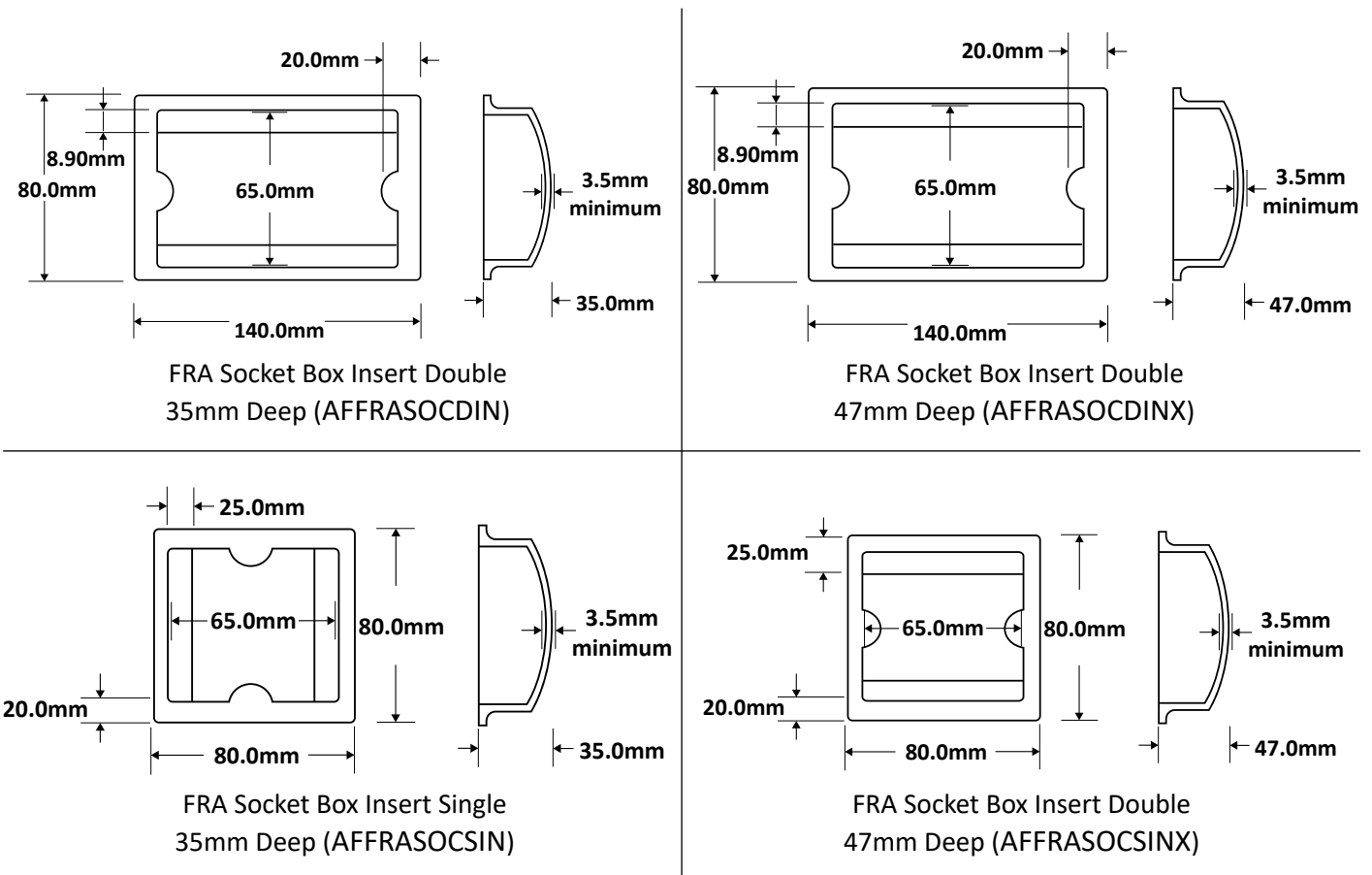
The material used to construct the socket insert is a good insulator, which further prevents heat loss and maintain insulation continuity of the wall.

Acoustic performance is good, being rated at -67dB

The socket box inserts are quicker and easier to fit than 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.

**Socket Box Insert measurements (in mm):**



### Product Availability

Product Code	Product Description	Depth
AFFRASOCSIN	Astro FRA Socket Box Insert Single	35mm
AFFRASOCDIN	Astro FRA Socket Box Insert Double	35mm
AFFRASOCSINX	Astro FRA Socket Box Insert Single Extra Deep	47mm
AFFRASOCDINX	Astro FRA Socket Box Insert Double Extra Deep	47mm

### To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size  
 Typical example:- 10 / AFFRASOCSIN / Astro FRA Socket Box Insert Single / Single

>> Tel: [01329 844 500](tel:01329844500) or >> Email: [sales@astroflame.com](mailto:sales@astroflame.com)

### Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email [sales@astroflame.com](mailto:sales@astroflame.com)

### Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

### Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

### Additional Notes

For further information on installation requirements please refer to the socket box manufacturer data and wall specification to ensure the compatibility of this product, if in doubt please contact the technical team with services and wall specification on: T: [01329 844 500](tel:01329844500) or E: [sales@astroflame.com](mailto:sales@astroflame.com)

### Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500) or E: [sales@astroflame.com](mailto:sales@astroflame.com)

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