



TENMAT FIREFLY 130 SOCKET BOX INSERTS

Every unprotected recessed switch or socket allows air leakage from the living area into the wall cavity where it is lost from the building envelope.

A typical switch or socket can allow over 3.5 cubic metres of air per hour to pass through it at 50Pa.

In addition the materials used to produce these recessed products are not highly insulating, therefore every switch or socket fitted allows cold bridging and heat loss to occur between the living area and the outside wall cavity.

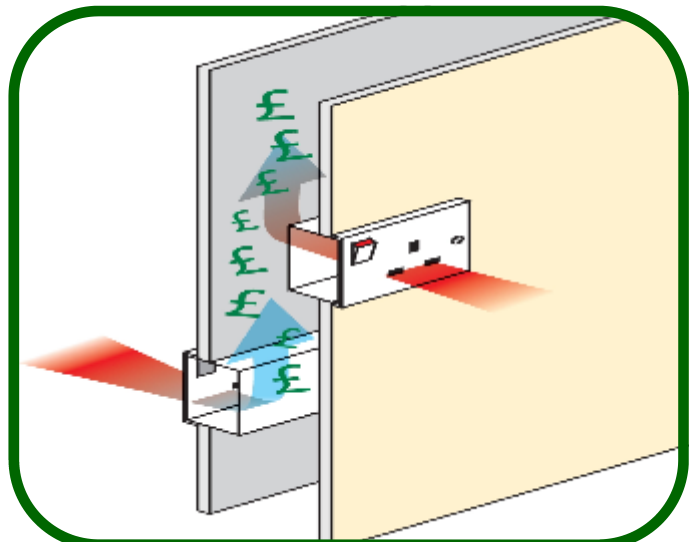
The ever increasing number of data and electrical socket outlets per typical room make this a major area of air leakage and loss of insulation continuity.

TENMAT Firefly 130 Socket Box Inserts restore airtightness to a similar level as an unpenetrated wall at normal room pressures.

The **Firefly 130 Socket Box Inserts** are also produced from highly insulative materials to maintain insulation continuity of the wall.



FF130 Socket Box Insert fitted into a Socket Box



TENMAT Socket Box Inserts limit air and energy loss

Key Features & Customer Benefits

- Dramatically reduces air leakage
- Reinstates insulation continuity
- Easy to fit with no special skills or tools required
- Help to minimise heat loss into wall and reduce energy costs
- Up to 2-Hour Fire Rated
- Acoustically Rated to 67 db
- Robust Detail Approved
- Made from Fire Resistant Fibre
- Easy to check and inspect
- Suitable for metal & plastic boxes
- Can be retro fitted to existing sockets

TEST DATA

Fire Testing

Fire tested to BSEN 1364-1 and to the principles of BSEN 1363-1: 1999

Constructions covered—Plasterboard Partition

Duration of effective protection: 120 mins integrity & insulation

Report No's: Chilt/RF08071 AR1 & Chilt/IF08039

Acoustic Testing

TENMAT FF130 Socket Box Inserts were acoustically tested under UKAS conditions at BRE Laboratories in accordance with BS EN ISO 140-3:1995 and BS EN ISO 717-1:1997

Test Report No: 247-373

Airtightness Testing

Tested to BS EN 1026:2000 over a pressure range of 2 - 50 Pa

Robust Detail Approved

FIREFLY 130 SOCKET BOX INSERTS

The FIREFLY 130 Socket Box Inserts have been developed to provide maximum air tightness and reduce energy loss for penetrations created by the introduction of both single and double recessed socket boxes.

Additionally, the FIREFLY 130 Socket Box Inserts also offer fire and acoustic protection where these characteristics must also be maintained through the fire resistant and acoustically insulative nature of the material.

Sizes Available

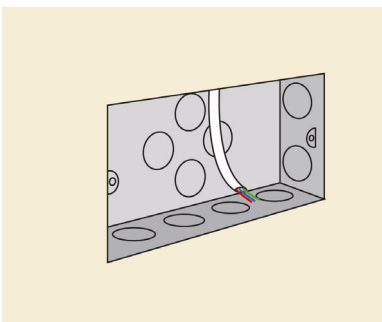
Firefly 130 Socket Box Inserts are available to suit:

- Single & Double Socket Boxes in 35 mm depths
- Single & Double Socket Boxes in 47 mm depths

Fitting Instructions

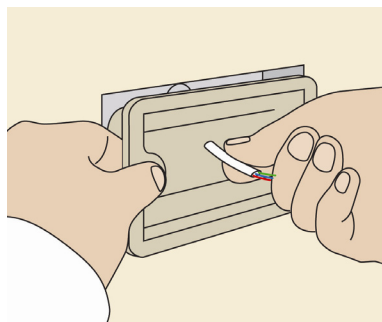
STEP ONE

Make small tight fitting hole through insert ready for cable



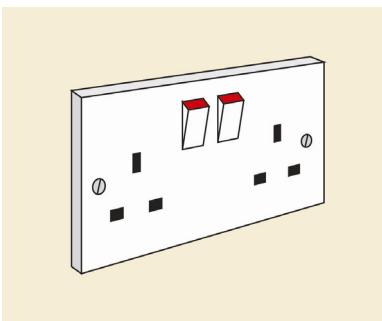
STEP TWO

Pass cable through insert and fit insert into socket box



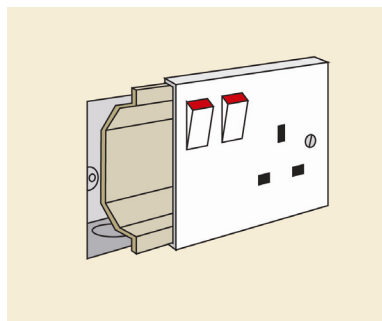
STEP THREE

Fit socket cover as normal, screws can pass through Insert material.



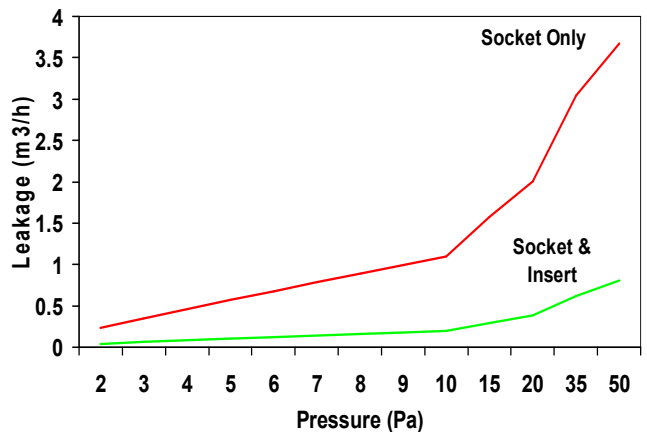
STEP FOUR

The flange of the Insert should be hidden by socket cover. Any rough edges can be trimmed.



NB. Socket Box Insert must be installed so that flange sits flush of plasterboard

Air Leakage Rate With & Without Socket Box Insert



TENMAT is a leading manufacturer of Fire Protection products and solutions, with almost 100 years experience of providing specialist non-metallic materials that offer advanced fire-stopping capabilities.

From our headquarters in Trafford Park, Manchester, and world-wide subsidiaries in France, Germany, Italy and USA, we supply a wide range of products for use in highly demanding applications within the construction and transportation industries.

Renowned in the fire protection industry as an innovative development company, TENMAT'S wide range of high performance products and solutions meet the latest quality standards worldwide.

TENMAT's fire protection products are protected by patents

Agent / Distributor

For more information on the range of
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