Acoustic Protection

ACOUSTIC PROTECTION COVERS

Tested at BTC in accordance with BS EN ISO 140-3 (1995) & rated BS EN ISO 717/1 (1997) meeting acoustic criteria

INTRODUCTION

Whether old or new, many buildings suffer from sound penetration through their walls. With the development of timber-framed houses, the problem of sound transmission in walls has worsened and needs to be addressed urgently.

The new acoustic protection covers are made from 15mm thick acoustic sponge and are designed to encase electrical outlet boxes in the wall cavity and insulate against airborne sound. The covers are available in single-gang, double-gang, and twin-gang versions.

QUICK AND EASY FITTING

The acoustic sponge covers can be used equally well in new installations and in refurbishment applications. To fit, pass the flexible acoustic sponge cover through the hole in the wall while holding the retaining cord to ensure the cover does not fall into the cavity (the cord can be cut off after the cover is fixed).

Then secure the acoustic cover by pressing the supplied pins through the holes of the zintec metal retaining brackets and into the plasterboard. Push the cable into the electrical outlet box for connection and secured the outlet box in position.

PERFORMANCE

Tested 19-20/1/2004 at Building Test Centre (Ref: BTC13224A) in accordance with BS EN ISO 140-3 (1995) and rated in accordance with BS EN ISO 717/1 (1997) in a Gyproc twin-frame high-performance wall measuring 3.6m x 2.4m with 214mm internal depth.

Acoustic covers comply with the requirements of 'Robust Details'.

DRY LINING BOXES, GASKETS, AND ACOUSTIC COVERS

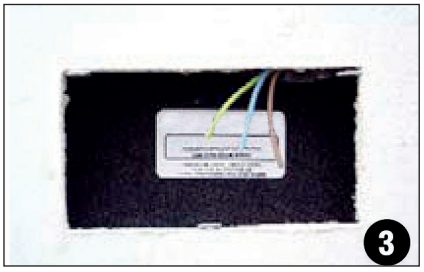
Dry lining boxes are the perfect escape route for flames in a fire, because the front plate will sag and allow flames to travel along the path of the cables and into the cavity, to adjoining rooms and the floor above, increasing the risk to life and property.

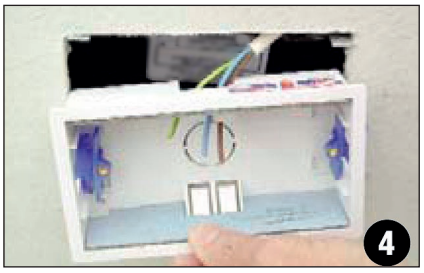
New dry lining boxes with pre-fitted intumescent gaskets expand in a fire and act as a fully-resistant fire barrier (see illustrations 1 to 5). Intumescent ceiling rose covers are also available (see illustration 6).

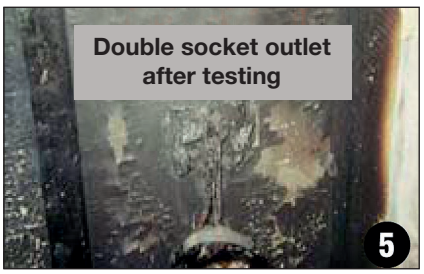
Unprotected

Prrotected

ACCEPTED BY 'ROBUST DETAILS' SIZES AVAILABLE TO SUIT ALL BOXES







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ACOUSTIC COVERS

Dry lining fitting instructions

Compress the cover ready to insert into the aperture.

Insert cables through the cover. Hold onto the string to prevent the cover from falling into the cavity. Picture shows view from inside the cavity, where several cables have been inserted into the cover.

Continue to hold onto the string and cover, then push the fixing pins through the metal brackets and into the plasterboard.

Once the cover is fixed, cut the string and remove from the cover.

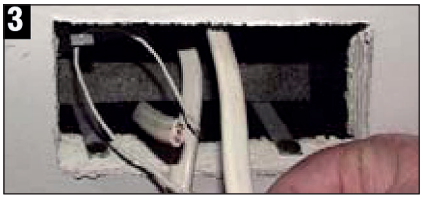
Insert cables into the socket housing.

Connect cables to the socket front plate.

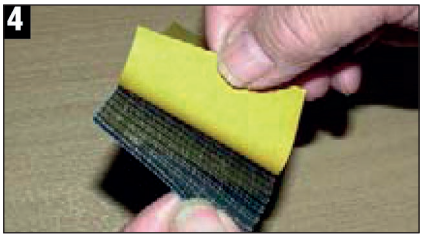
Metal box fitting instructions

Compress the cover ready to insert into the aperture.

Insert cables through the cover. Hold onto the string to prevent the cover from falling into the cavity. Picture shows view from inside the cavity, where several cables have been inserted into the cover.



Continue to hold onto the string and cover, then push the fixing pins through the metal brackets and into the plasterboard. Afterwards, cut and remove the string.



Remove the backing paper from fire protection gasket.

Insert the gasket into the metal box housing.

Cables can be inserted through the fire protection gasket into the socket housing and then the cables can be connected to the socket front plate.

EFFECTIVE ACOUSTIC & FIRE PROTECTION TESTED AT AVON FIRE AND RESCUE SERVICE.

Products for protection of downlighters, electrical boxes, and trunking were given rigorous tests by Avon Fire & Rescue Service at their fire training centre, witnessed by a substantial number of ECA, IEE, & NICEIC delegates. Each test clearly identified the huge potential risk of fire spreading from room to room via electrical fittings. Protection is absolutely vital, in order to prevent the spread of flames in a building.

DON'T FORGET - Pads or Pillows for Electrical Trunking, Pillows for Cable Trays, Pads or Pillows for Busbar Trunking and Downlighter Covers, both fire and acoustic-rated.