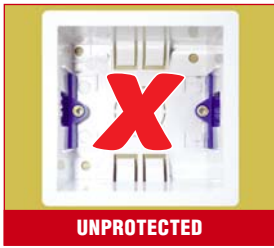


## INTUMESCENT FIRE PROTECTION GASKETS

All Electrical Products to comply with revised the 17th Edition IEE Regulations, Document B of UK Building Regulations. **Important:** without gaskets, the wall is only rated 5 minutes protection.



UNPROTECTED



PROTECTED



GASKETS EXPAND IN A FIRE

### DESCRIPTION

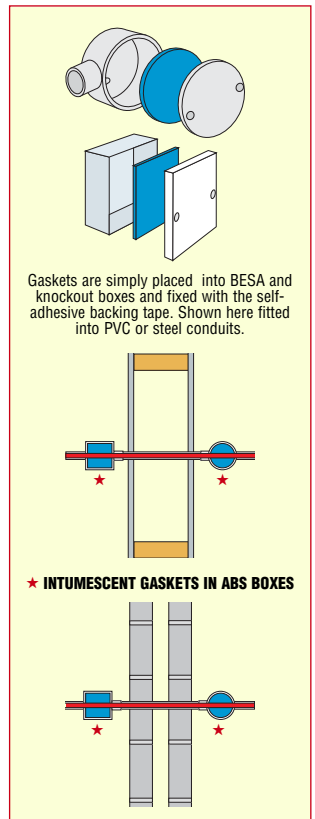
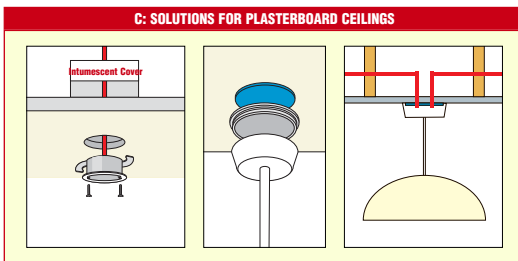
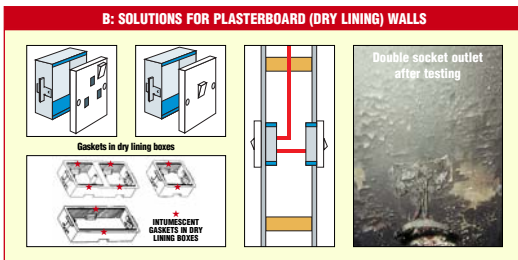
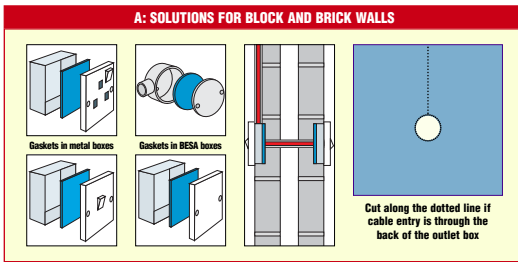
An intumescent gasket that fits into BESA boxes, universal conduit boxes, and socket or switch boxes designed to comply with British Standards and IEE Regulations.

### USE

Where conduits pass through fire-rated ceilings and walls, it is a requirement to terminate each side with a BESA or universal box fitted with intumescent gaskets to stop fire penetrating. It is also a requirement to fit intumescent gaskets in the back of metal switch/socket boxes where they are back-to-back and cables pass through the wall. All dry lining boxes and metal boxes fitted in dry-lining walls must have intumescent gaskets fitted to comply with the 17th Edition IEE Regulations. To comply with Document E of UK Building Regulations (sound-proofing in plasterboard ceilings and walls), acoustic protection must be fitted for both impact and airborne sound. Envirograf® acoustic protection is approved by **Robust Details**.

### PERFORMANCE

Envirograf® gaskets in metal boxes gave up to 4 hours fire protection and 70 minutes integrity and insulation in dry-lining boxes when tested to BS476 Parts 20/22 (1987). Plastic boxes in ceilings/walls have also been tested to European Standards EN1365-2 (1999), NEN6069 (2005), and EN1364-1 (1999) for 84 minutes.



### ORDERING REFERENCES :

- ABG Adjustable Box Gasket (50mm / 100mm deep)
- MTC Marshall Tufflex Ceiling Rose Cover
- BEG BESA Box Gasket
- DPG Double Plug Box Gasket
- SPG Single Plug Box Gasket
- CRG Ceiling Rose Gasket
- SSB Single Shallow Box
- DSB Double Shallow Box
- GBOX/T Twin shallow box + gasket
- GBOX/S Single shallow box + gasket
- GBOX/D Double shallow box + gasket



- GBOX/SD Single deep box + gasket
- GBOX/DD Double deep box + gasket

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**FIRE-RATED ACOUSTIC SWITCH & SOCKET BOXES & CEILING ROSE COVERS GIVING TEST APPROVAL FOR 2 HOURS FIRE PROTECTION & ACOUSTIC PROTECTION TO ROBUST DETAILS & 17th EDITION IEE REGULATIONS. TESTED IN ACCORDANCE WITH BS EN 1403 (1995) & RATED IN ACCORDANCE WITH BS EN 150 717/1 (1997) ACOUSTIC CRITERIA. TESTED TO BS476, PARTS 20/22, EN 1364-1 (1999) & EN1365-2 (1999).**

**FOR DRY LINING BOXES (FITTED INTUMESCENT GASKETS)  
SINGLE (NABC/A1) - DOUBLE (NABC/A2) - TWIN (NABC/A3)**



**FOR METAL BOXES (WITH LOOSE INTUMESCENT GASKETS)  
SINGLE (NABC/M1) - DOUBLE (NABC/M2) - TWIN (NABC/M3)**



**FOR CEILING ROSE BOXES  
REF: MTC/A**

Two types of Envirograf® acoustic and fire-rated box covers are available – one for dry lining boxes and the other for metal boxes.

## MULTIPLE BENEFITS

- Very easy to fit
- Well-supported in the plasterboard
- Cable entry through the back, bottom or sides
- No adhesive required
- Suitable for metal & plastic boxes
- In a 64dB studwork partition, the combined effect was 63dB
- Replaces plasterboard boxes, putty material and leaves the whole box free for cables, such as a socket box with 3 x 2.5mm<sup>2</sup> twin-and-earth cables

For use where socket and switch boxes and ceiling rose boxes are recessed into the plasterboard or lath-and-plaster walls or ceilings in domestic, public, and commercial buildings, to comply with Document E Acoustic and Document B Building Regulations. Acoustic and fire protection is essential and a requirement.

New timber-framed buildings and walls in mobile homes: all units can either be retro-fit or new build.

Acoustic boxes: with fire seals for dry lining boxes, the acoustic cover has the intumescent gasket in the back of the cover so, as the plastic box and cables melt, the intumescent gasket expands, filling the area up to the plasterboard.

Metal boxes: Envirograf® acoustic and fire-rated covers have a 2mm intumescent pad with adhesive tape, to fit inside the back of the metal box. This does not stop cables from coming through at any point, including the back, leaving all the box clear to connect the sockets and switches.

Envirograf® covers are made for single, double, twin, and triple boxes and for larger multiple recessed switch boxes.

When acoustic covers are not required, use Envirograf® intumescent gaskets inside boxes (made to suit all sizes of box).

## ORDERING REFERENCES :

PATENTED

All items below are to suit boxes up to 55mm depth. Others made to order.

### ACOUSTIC COVERS WITH FITTED GASKETS FOR PLASTIC BOXES

- NABC/A1** Acoustic cover with fitted intumescent gasket for single dry lining box  
**NABC/A2** Acoustic cover with fitted intumescent gasket for double dry lining box  
**NABC/A3** Acoustic cover with fitted intumescent gasket for twin dry lining box

### ACOUSTIC COVERS WITH LOOSE GASKETS FOR METAL BOXES

- NABC/M1** Acoustic cover with loose intumescent gasket for single metal box  
**NABC/M2** Acoustic cover with loose intumescent gasket for double metal box  
**NABC/M3** Acoustic cover with loose intumescent gasket for twin metal box