

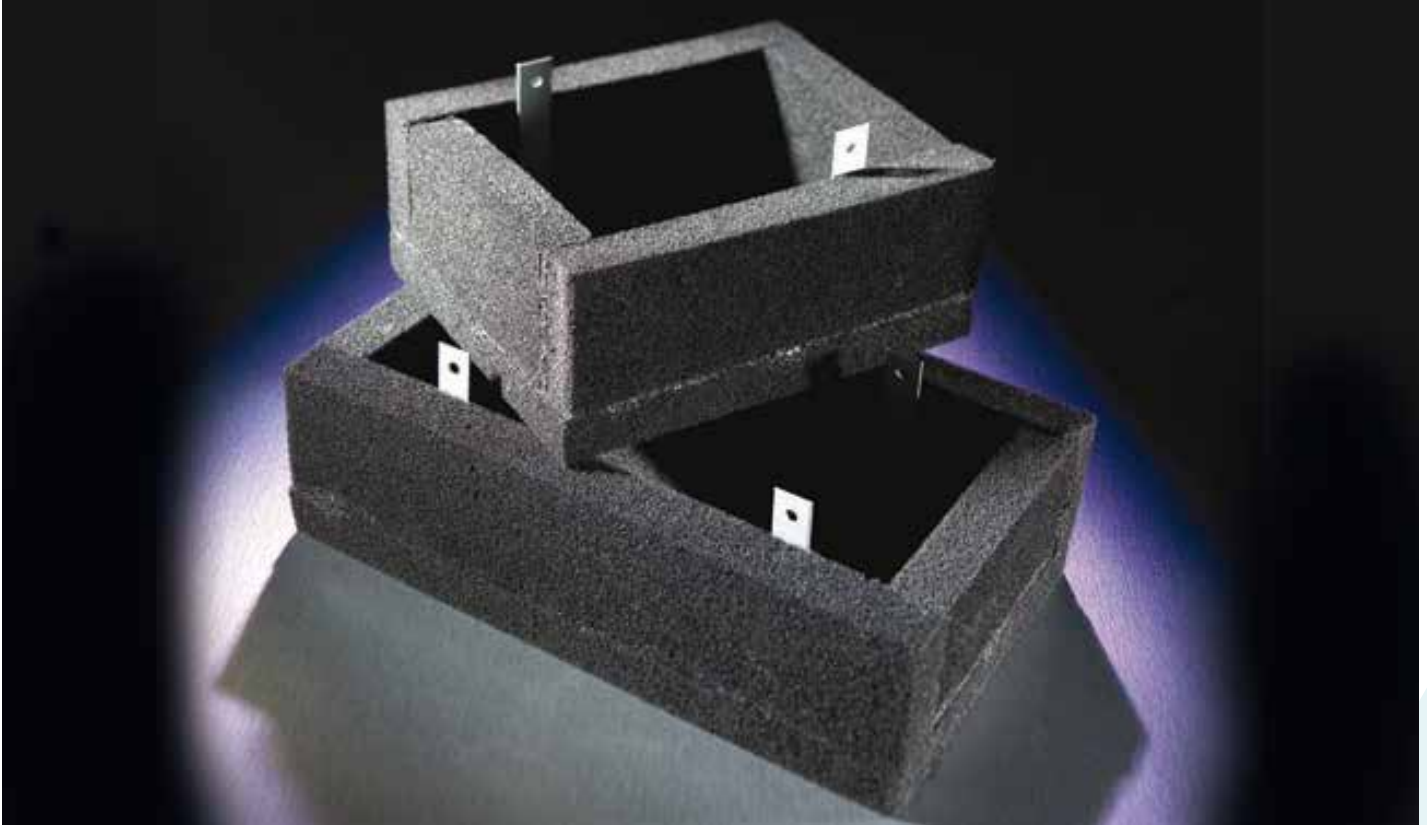
# Acoustic & Fire Sockets



NBS Source  
PARTNER

Datasheet 72

CLASS O FOAM



JCW Acoustic & Fire Sockets help maintain the acoustic integrity of walls, and are certified for use with relevant Robust Detail wall constructions. Performance testing has revealed these easy-to-install sockets to be highly effective in helping to prevent sound penetrating through walls.

#### The Facts

- Fabricated from Class O foam to ensure fire safety
- Suitable for new installations or refurbishments
- Pre-fabricated, robust construction
- Very quick and easy to install
- Tested in accordance with BS EN ISO 140-3 (1995)
- Rated in accordance with BS EN ISO 717/1 (1997)
- Available in single-gang, double-gang and twin-gang

#### Specification

- Composition: 10mm Class O acoustic foam
- Size (external): Single socket 117mm x 117mm x 37mm
- Size (external): Double socket 217mm x 117mm x 37mm

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Sales helpline **01204 548400**  
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## Installation Guide for Class O Foam Acoustic & Fire Sockets

Push the acoustic socket into the hole in the wall and secure it by pressing the pins supplied through the holes in the retaining brackets and into the plasterboard. Push the cable through the acoustic foam into the dry lining or metal box.

**Further assistance is available via our Sales and Technical Helpline below.**

### Class O Foam Typical Properties

Originally developed as a safety critical foam. Acoustic performance is good and absorption co-efficients are typical for a cellular material, but unusually high deadening performance is attributable to the high density of approx. 85 kgm<sup>-3</sup>. The high mass helps to reduce vibration in metal enclosures hence drumming and noise breakout.

#### Flammability Properties

Method	Result
BS 476 Part 5	Non-Ignition
BS 476 Part 6	$I \leq 12, I_1 \leq 6$
BS 476 Part 7	Class "1"
BS 476 P6 & P7 Building Regulations	Class "O"
BS EN ISO 4589-3	No ignition, tested at 240°C, 300°C, 360°C and 380°C
UL94 Classification	V-0, 94-5V
French Classification M1	Not Available(*)
BS6853:1987 App. B.5.3	$A_{0(max)} < 5$
NES 713	<3.0

#### Physical Properties

Method	Result
Density (Kg/m <sup>3</sup> )	75 – 100
Hardness (N)	120 – 180
Tensile Strength(Kpa)	>70
Elongation at Break (%)	>90%
Thermal Conductivity(W/mK)	0.048 – 0.051
Erosion Resistance	6000 ft/min
Working Temperature (C)	-40 - ~+110
CFC Free	Yes

**(\*) M1 rating has not been independently confirmed on this grade. Others grades have been certified.**

**H0410121.Doc Replacing C2005051 replacing G1208031 replacing H0303033**

Do not confuse this product with standard fire retardant foam. Class O is fire resistant not fire retardant, with the difference being fire retardant foam will burn until the ignition source is removed, whereas Class O Foam will not burn.

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