

# Acoustic Rated Fire Hoods

## USES:

- Meets BS EN 1365-2:2000 and BS476 Part 23:1987
- Can be used in suspended, plasterboard or concrete ceilings
- Covers a wide range of mains & low voltage downlighters
- Lightweight & flexible cover can be fitted from below or above the ceiling
- Provides a highly insulating stable char when exposed to fire
- Prevents fire from penetrating the ceiling void and retains ceiling's fire protection integrity

## BENEFITS:

- Acoustic Rated
- 30 or 60 minute fire rating
- Installed in seconds
- No screws, drilling or additional supported required
- Maintenance free
- Ventilated to reduce heat build up
- Once fitted downlighter can be fitted as normal



Ceiling downlighters are widely used in residential and commercial buildings. Each ceiling is subject to fire regulations and where applicable the ceiling construction needs to be fire rated.

However, once a hole has been made in the ceiling for a downlighter, the soundproofing performance of the construction is seriously reduced. In addition the ceiling's ability to perform in a fire can be reduced significantly as well which can be very dangerous.

To combat this the Intumescent Acoustic Hood has been developed to give maximum acoustic and fire protection for holes created by the installation of downlighters and to allow for maximum ease of fitting.



In a fire situation the cover expands internally to fill all the available space with a highly insulating fire resistant char. Thus, the fire is unable to penetrate the hole and the cover is able to give additional insulation protection to the ceiling void to reduce the chance of heat build up and ignition of flammable materials such as accumulated dust and insulation.

The cover also adds mass behind the ceiling light which improves the soundproofing performance. Acoustic tests show that a ceiling with downlighters and acoustic hoods installed performs to within 1dB of the equivalent ceiling without any holes in it at all!!

## ACOUSTIC TEST DATA

Configuration	Test Type	Result	Impact	L <sub>nw</sub>
Separating Floor with no Lights	Airbourne	R <sub>w</sub> 66 (-5;-12) dB	Impact	L <sub>nw</sub> 54 dB
Separating Floor with 9 downlighters and Acoustic Hoods	Airbourne	R <sub>w</sub> 65 (-5;-12) dB	Impact	L <sub>nw</sub> 54 dB
Internal Floor with no Lights	Airbourne	R <sub>w</sub> 41 (-2;-7) dB	Impact	L <sub>nw</sub> 79 dB
Internal Floor with 9 downlighters and Acoustic Hoods	Airbourne	R <sub>w</sub> 42 (-2;-7) dB	Impact	L <sub>nw</sub> 80 dB

Code	Size	O/D x height mm	Downlighter Cutout Size Diam. mm
CoverS	Small	150 x 150	50 - 75
CoverM	Medium	200 x 200	75 - 100
CoverL	Large	250 x 250	100 - 140
CoverXL	X-Large	300 x 170	140 - 270
CoverXXL	X-Large	350 x 230	140 - 270