

# SOUND ATTENUATION PANELS



## DESCRIPTION:

CCL Sound Attenuation Panels consist of semi-rigid mineral wool slabs that are enclosed in bright aluminium foil and black glass tissue or heavy acoustic glass cloth.

## PURPOSE:

CCL Sound Attenuation Panels are designed to reduce reverberant noise and improve speech intelligibility in buildings employing public address systems such as railway stations and airports.

## BENEFITS:

- Fire, thermal and acoustic solution
- Simple to install
- Tested for smoke toxicity
- Proven STI performance

## Specification

### Standards & Performance:



The mineral wool infill used in the production of CCL Sound Attenuation Panels achieves a fire classification rating of Euroclass A1 as defined in BS EN 13501-1.

The sound attenuation systems available have been tested to BS6853 D8.4:1999 smoke emission.

Speech Transmission Index ratings (STI) depend on the thickness of panel and the application of the systems in unique building environments. Ratings in the range of 0.5 - 0.7 STI are achievable, although project specific assessment and testing should be sought.

The thermal conductivity of the mineral wool infill used in the production of Sound Attenuation Panels is 0.035 W/mK.

### Fixing:



The installation of the Sound Attenuation Systems depends on the individual building environment.

Fixing systems can be provided for soffit mounted applications.

Powder coated steel frames and mounting angles can be supplied for passenger tunnels and other circumstances where aesthetic consideration needs to be taken into account.



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