



acoustic baffles and attenuators

Skype HQ, Luxembourg

acoustic baffles

Baffles Product Description

Acoustic baffles are lightweight performance panels used to absorb noise in buildings. Baffles are suspended freely from an open soffit and effectively control unwanted and drifting noise. They can be designed and manufactured to meet project requirements and acoustic demands.

Features

Baffles are used for many applications, from meeting acoustic absorption requirements to providing aesthetically innovative solutions.

They are typically used within spaces that require significant sound absorption such as open plan working environments, offices, large atria, lecture theatres, libraries, classrooms, leisure centres, studios, exhibition areas and other potentially noisy environments.

Baffles are a durable high acoustic absorption product, with aesthetic versatility. They provide surfaces that are easy to clean, offering low maintenance at a competitive cost.

Shapes and Sizes

A wide variety of panel sizes and forms are available. They can be a standard size or incorporate flat, curved, pyramid, triangular, trapezoidal or angular elements. Sound absorption depends upon the size of each baffle, the number of baffles used and the area and spacing between each one.

A series of vertical acoustic baffles can run across a ceiling, reducing sound in an open plan office. The open soffit will still allow for thermal mass cooling to be achieved.

Finish

Polyester powder coated, supplied as standard with a RAL 9010 smooth finish. A fine textured finish (SAS FT), anti-bacterial coating (SAS AB), anti-graffiti paint finish (SAS AG) and other colours are available.

See page 25 for a range of other paint finish options.



Sustainable Design

Acoustic baffles can be installed to allow free air movement to exposed concrete slabs, and cooling can be achieved, whilst offering design flexibility in a range of environments and providing for occupant comfort.

In the education sector, worldwide studies have shown that excellent acoustics boost learning potential. Regulatory frameworks are being introduced to enable this. For example in the UK it is necessary to meet the requirements of Building Bulletin 93 (Acoustic Design of Schools) while balancing the requirements of BB101 (Ventilation of School Buildings).

Acoustic baffles provide acoustic absorption under BB93, whilst allowing sustainable thermal mass cooling to take place.

See page 16 for Acoustic Comfort Specification criteria, and page 28 for more information on Thermal Mass Cooling.

Cross Ventilation

Ceiling mounted acoustic baffles provide acoustic absorption whilst allowing the concrete soffit to be fully exposed for energy-efficient natural cross ventilation cooling.

Working in conjunction with a Suspended Ceiling

Baffles provide high levels of acoustic absorption. For demanding environments they can be installed in conjunction with a suspended metal ceiling.

Solar Shading

When acoustic baffles are suspended in large atria they can also offer the dual function of acting as solar shading by diffusing natural daylight from the reflective surface.

