



Acoustic Baffles - Clinic Plus+

Clinic Plus+ Baffles are manufactured using a high density moisture resistant mineral fibre with outstanding acoustic properties, they are moisture resistant and washable coated with anti-bacterial pre-painted finish.

Advantages of using Clinic Plus+ are that the glass fibres that make up the core are non-combustible and non-hygroscopic. Clinic Plus+ does not support fungi or vermin. It is also unaffected by oil, grease and most acids.

Because of its resiliency and flexibility, Clinic Plus+ Baffles resists settling, breakdown, sagging from vibration and damage from impact.

The countless air spaces in panels create effective sound absorption as well as thermal properties. Perceived noise from air movement and mechanical equipment is largely reduced.

They are designed to be hung in vertical rows from the underside of both Architectural and Industrial applications to reduce high levels of reverberant noise in large open areas. The increased surface area provides a highly effective sound energy absorber.

Product Summary

AVAILABILITY

Clinic Plus+ Baffles are a bespoke item and available to order only.

COLOUR AND FINISH

Clinic Plus+ Baffles are covered using a stain resistant paint to all surfaces.

N.B. Paint colour may be client specific but will need sample approval before manufacture and are subject to minimum order quantities.

TEMPERATURE LIMIT
121 C (250 F)

LIGHT REFLECTANCE

Approx. 84%

FIRE PERFORMANCE

ASTM E84 & UL723 & CAN/ULC S102-M88, conforms to Class 0: BS476 parts 6 & 7.

Dimensions and Weight

Suspended Baffles	Thickness (mm)	Length (mm)	Height (mm)	Nominal Weight Baffle (Kg)
Clinic Plus+	50	1200	600	4.2

Note: other sizes are available upon request and are subject to minimum order quantities. Further details available on request.

Care & Maintenance

Clinic Plus+ Baffles can be cleaned daily by gently wiping the surface using a damp cloth with mild detergent. They can be cleaned up to three times a year with a low pressure jet washer, operating at a maximum of 50-60 psi at 40 C. The spray head should be angled at approximately 45° at a minimum distance of 300 mm away from the surface of the panels.

APPLICATION AND FIXING

Corkscrew hangers are an addition to the baffles for fixing direct to the soffit or to aid suspension from a catenary cable system.

DESIGN FUNCTION

Clinic Plus+ Baffles are designed for use within an environment where there is a high risk of contamination and where frequent cleaning is required. These baffles are at home with high levels of humidity and are frequently used within the food and beverages industry.

HUMIDITY RESISTANCE

Clinic Plus+ Baffles are dimensionally stable even at humidity levels of up to 100% RH and can be installed at all temperatures ranging from 0 C to 40 C. A higher moisture/temperature level is permissible during the cleaning/maintenance process. No acclimatisation is necessary.

Acoustic Performance

When suspended vertically in continuous rows at 600mm spacings, the sound absorption coefficients are as follows:

Product Type	Sound Absorption Coefficient (tested to BS EN ISO 354) Octave Bands (Hz)									Building Regulations Absorber Classification When tested to BS EN ISO 11654-1997
	Thickness (mm)	125	250	500	1k	2k	4k	α_w	NRC	
Clinic Plus+ - Vertically Suspended Baffle	50	0.35	0.50	0.90	1.00	0.95	0.95	0.80	0.84	C

