



apn Lamella

Acoustic baffle

Elegant soundproofing. Their outstanding acoustic properties make the apn Lamella acoustic baffles ideal for use as suspended ceiling systems in offices as well as educational institutes and industry. Baffle solutions are an ideal choice for use in thermally activated ceilings, as the air can circulate freely and the untreated ceiling can remain unclad.

Optimal air circulation

- » Ideally suitable for concrete core-activated ceilings; cooling capacity reduction $\leq 3,1\%$

Free forms & customized dimensions

- » individual tailored forms
- » Individual sizes

Wide range of colours

- » acoustic fleece in RAL and NCS Code
- » direct printing on acoustic fleece

Use in



Offices



Educational establishments



Gastronomy & hotels



Healthcare sector



Production facilities



Free forms & customized dimensions

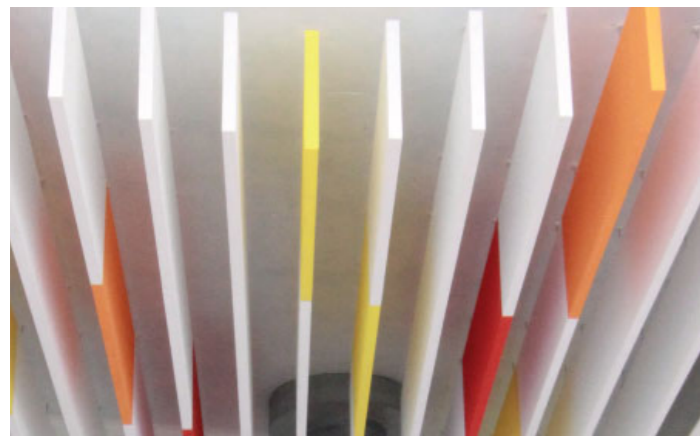
Whether elegantly curved or traditional, vertically arranged apn Lamella acoustic baffles allow you to create the optimal combination of room acoustics and aesthetics, and harmonise with the existing interior design concept.

Optimal air circulation

Acoustic baffles find particular use as ceiling baffles in rooms with concrete core-activated, unclad ceilings, in order to guarantee unobstructed access to the untreated ceiling as well as optimum air circulation.

Acoustic baffles are likewise particularly suitable for rooms that make use of natural daylight through skylights.

A cooling capacity reduction of only approx. 3 % can be expected due to the vertical arrangement of the apn Lamella acoustic baffles.



Wide range of colours and forms

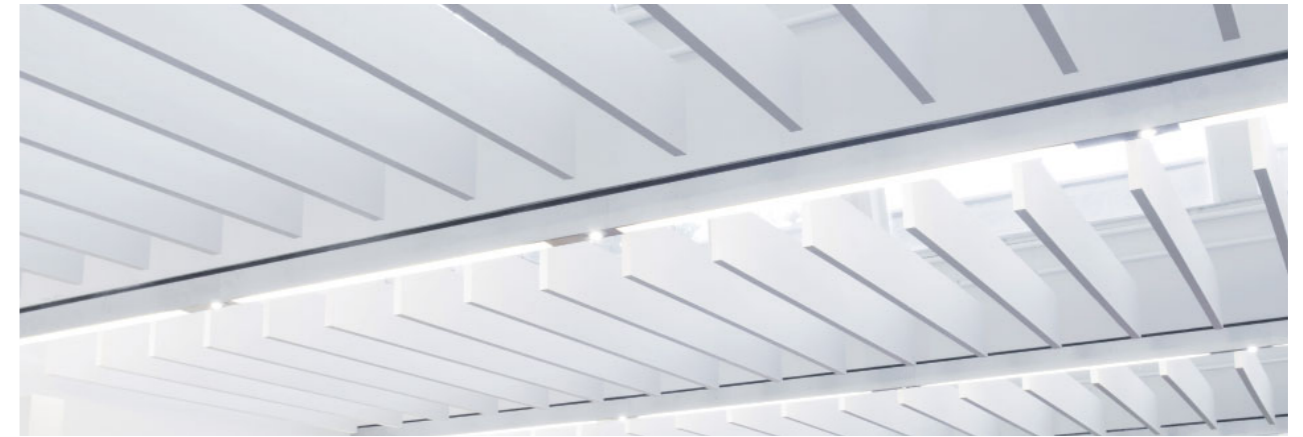
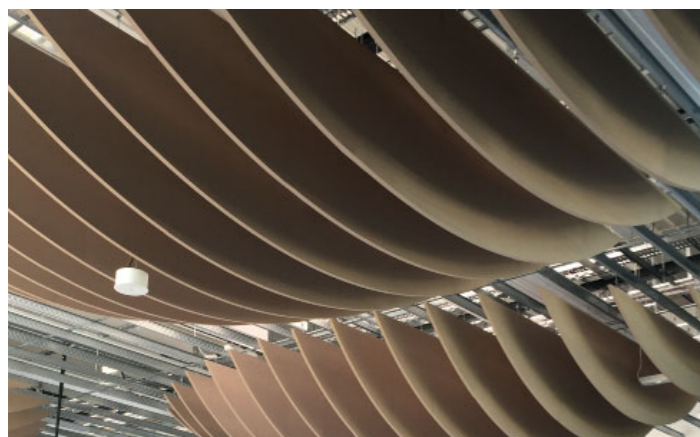
Due to the possible production of free forms and an almost unlimited variety of colours (NCS, RAL) there are almost no limits to the design freedom.

The arrangement and dimension of the baffle elements can be adapted exactly to your needs.

Easy & flexible installation

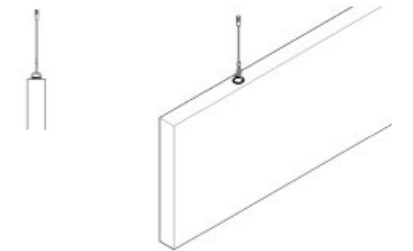
The steplessly adjustable wire rope suspension allows you to individually adapt both the suspension height as well as the configuration of the baffle elements at any time.

Thanks to the „gluing“ installation method, there is no minimum hanging height and thus no loss of space between ceiling and acoustic baffle.

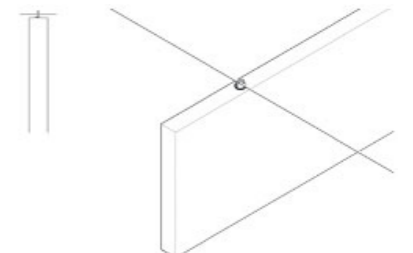


Mounting options

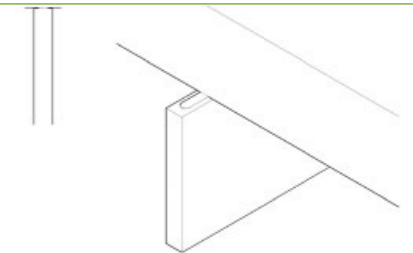
apn Lamella (e) single hanging: Baffle blades are single suspended on wire ropes.
Minimum suspension height: 50 mm



apn Lamella (h) free-hanging: Baffles suspended on horizontal wire rope systems.
Minimum suspension height: 80 mm



apn Lamella (k) glued: Baffles directly glued on ceiling.

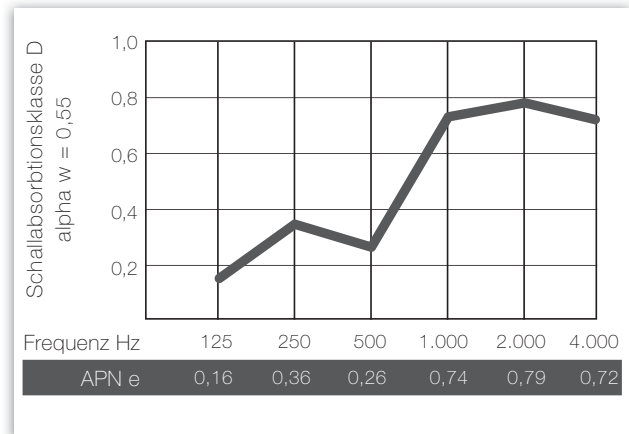
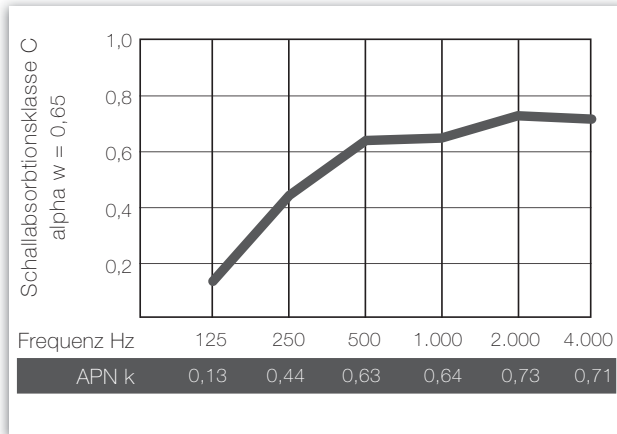


Acoustic baffle | Technical specifications

Sound absorption measurement acoustic baffle (absorption surface according to ISO 354)

apn Lamella (k)
 Baffle height: 100 mm
 Centre distance: 140 mm
 Air cavity above baffle: 0 mm

apn Lamella (e)
 Baffle height: 200 mm
 Centre distance: 300 mm
 Air cavity above baffle: 100 mm



Technical specifications apn Lamella

Dimensions (l x h, in mm)	Standard 2,400 x 200/300; further dimensions available on request
Construction material class absorber board	A2-S1, d0 acc. to DIN EN 13501-1
Standard surface	Acoustic fleece, white, similar to RAL 9003
Cooling capacity reduction	≤ 3,1 %
Cleaning	Damp wipeable
Demountability	Easy demountability (Acoustic panels with fixing variant glued (k) are limited reusable)
Interior climate	Suitable for use in rooms of ISO category 6 according to DIN EN ISO 14644-1
Humidity resistance	Dimensionally stable up to a relative humidity of 95 % at 30 ° C (acc. to DIN EN ISO 4611)
Weight	Approx. 4 kg/m ²

Variants

Surface	Acoustic fleece
Special colours	Acc. to RAL or NCS code; customised direct printing
Format	Indiv. free forms possible (according to CAD template)
Mounting options	APN (e) single hanging; APN (h) free-hanging; APN (k) glued
Border designs	Frameless sharp-edged, frameless circumferentially colour-coated; with frame
Further Versions	Standard baffle, frameless; Ball impact-resistand baffle with aluminium frame