

Simple installation, noticeably better room acoustics and a noble design - these are the features of the Admonter Acoustic Premium pre-assembled ceiling sails

- As the upper side is also acoustically effective, this results in a higher surface-related absorption capacity.
- Ideal for use with thermal component activation (ceiling heating/cooling), as there is no area-related shielding.
- Relatively quick retrofitting possible in finished rooms
- Can be placed freely in the room to achieve the best acoustic solution on site

Calculation with the Admonter acoustic calculation tool

<https://service.admonter.at/raumakustik/en.html>

PRODUCT CONSTRUCTION

- **Dimension Type A = 2200 x 995 x 80mm, Type B = 1000 x 795 x 80 mm**
- **Weight by unit:** Type A approx. 23 kg, Type B approx. 12 kg
- **Finish:** brushed, natural oiled
- Solid wood top sheet (cutting geometry: 15 mm web – 3 mm slot)
- 30 mm honeycomb core
- Acoustic fleece rear lining (simultaneous trickle protection)
- No on-site processing necessary, as assembled and glued at the factory
- Ready for ceiling installation

ASSEMBLY

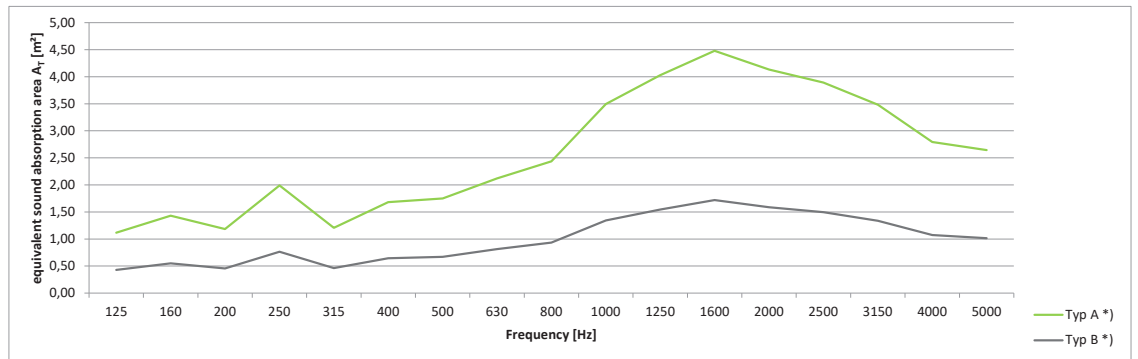
- The fixing of the pre-assembled ceiling sails is done by using approved suspension systems.
- Suitable suspension systems are for example „Anker-Fix“ quick hangers and the wire with eyelet
- Depending on the building material, the suspension system must be fastened to the ceiling by using approved or standardised anchoring elements (dowels, screws) and in accordance with the manufacturer's specifications and by experts. For further details please refer to the installation instructions.

TECHNICAL INFORMATIONS

- **Free of harmful substances** and respirable fibres
- **Vapour diffusion open**
- **Climatic range:** room temperature 10-30°C/humidity 25-65% (short term temperature undershoot or overshoot permissible)
- **CE-marking according to EN 13964**
- **Fire behaviour according to EN 13964: F**

Type of wood	Grading	Type	Length (mm)	Width (mm)	Height (mm)	Texture	Finish		
Spruce	basic	Type A	2200	995	80	brushed	natural oiled	white natural oiled	
		Type B	1000	795	80				
Larch Alba	naturelle	Type A	2200	995	80	brushed	natural oiled		
		Type B	1000	795	80				
Larch	naturelle	Type A	2200	995	80	brushed	natural oiled	white natural oiled	
		Type B	1000	795	80				
pine	basic	Type A	2200	995	80	brushed	natural oiled	white natural oiled	
		Type B	1000	795	80				
Oak	basic	Type A	2200	995	80	brushed	natural oiled	white natural oiled	stone natural oiled
		Type B	1000	795	80				
Oak finger jointed	noblesse	Type A	2200	995	80	brushed	natural oiled	white natural oiled	stone natural oiled
		Type B	1000	795	80				
Fir Rift-/semirift finger jointed	noblesse	Type A	2200	995	80	brushed	natural oiled	white natural oiled	
		Type B	1000	795	80				

Sound absorption



	Frequency [Hz]	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Type A *)	A_T [m²]	1,12	1,43	1,19	1,99	1,21	1,68	1,75	2,12	2,44	3,49	4,03	4,48	4,13	3,89	3,48	2,79	2,64
Type B *)	A_T [m²]	0,43	0,55	0,46	0,76	0,46	0,65	0,67	0,81	0,94	1,34	1,55	1,72	1,59	1,49	1,34	1,07	1,02

AT = equivalent sound absorption area per unit based on EN ISO 354

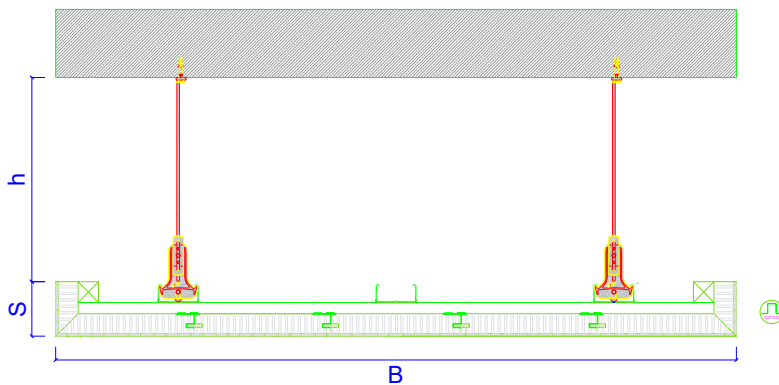
Valid for: Suspension height $h = 300$ mm; without additional top-side damping, for single mounting horizontal & parallel to the ceiling

Valid for: Suspension height $h = 300$ mm; without additional top-side damping, for multiple mounting with row spacing >600 mm horizontal & parallel to the ceiling

*) Data source: Admonter Alpha Cabinet

Type A ... 2200x995mm

Type B ... 1000x795mm



$S = 80$ mm


$B = 995$ mm at Type A
795 mm at Type B

$h = 300$ mm Suspension height
without additional top-side damping

In the case of large suspension heights (> 400 mm) and/or the possibility of draughts at the installation site, suitable precautions must be taken to prevent the ceiling sails from swinging, e.g. diagonal bracing, etc.

If an „optional top-side damping“ is carried out to further increase the acoustic absorption behaviour, especially in the low-frequency range, insulation materials with the following properties are to be preferred: e.g. „Floorrock® SE“ (rockwool.de), in a thickness of 30 mm. For alternative products, a length-related flow resistance of approx. 25 kPa-s/m² must be ensured.

Features wooden acoustic panels	Benefit
Acoustic products made of natural wood available in different wood species	Great choice - Your opportunity to differentiate yourself from other providers
Acoustic in combination with conventional airconditioned ceiling systems	Not only better acoustics, but also combinable with room cooling systems is possible
Acoustic online calculation tool for pre-dimensioning	Simple pre-calculation and materialisation in combination with a clean documentation

Our floors, walls, ceilings, stairs, doors or even acoustic solutions are perfectly harmonised to turn your ideas into reality and give every room a very special atmosphere. 

Wooden floors
Floors

Wooden panels
Elements

Wooden acoustic panels
Acoustics

Wooden Stairs
Stairs

Wooden Doors
Doors