



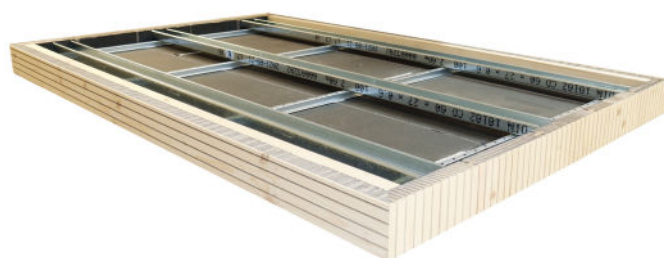
PREMIUM CEILING SAIL

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/de.html>



- CE-marking according to EN 13964
- Reaction to fire according to EN 13964: F
- Surface weight Type A approx. 23 kg, Type B approx. 12kg
- Finish: brushed natural oiled
- Free of pollutants and respirable fibres
- Vapour diffusive
- Ambient area: room temperature 10 - 30°C
humidity 25 - 65%
(short-term exceeding or undershooting possible)

CONSTRUCTION

- Solid wood top sheet (cutting geometry: 15 mm web – 3 mm slot)
- 30 mm honeycomb core
- Dimensions Type A = 2200 x 995 x 80mm, Type B = 1000 x 795 x 80mm
- Acoustic fleece laminated on the back (simultaneous trickle protection)
- no on-site processing necessary, as assembled and glued at the factory
- Ready for ceiling mounting

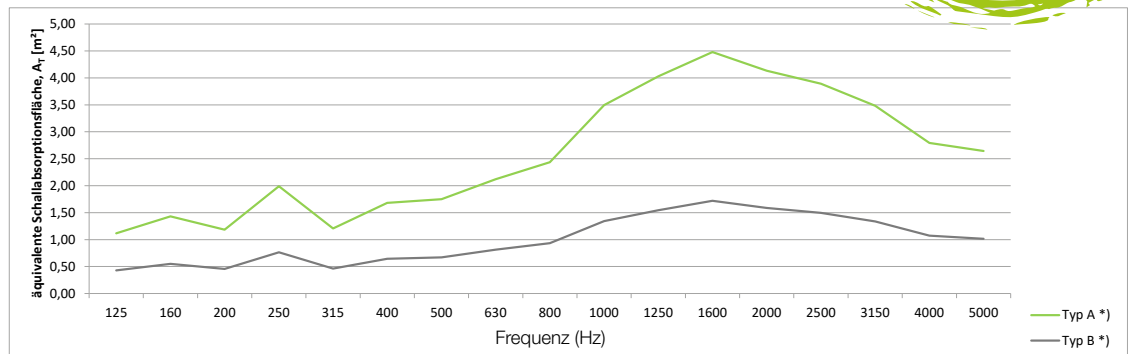
PROCESSING

- 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.

Typ of wood	Grading	Type	Length (mm)	Width (mm)	Height (mm)	Structure	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		
Stone-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		



Schallabsorption



	Frequenz [Hz]	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Typ 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
Typ 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

A_T = äquivalente Schallabsorptionsfläche je Stk. in Anlehnung an EN ISO 354

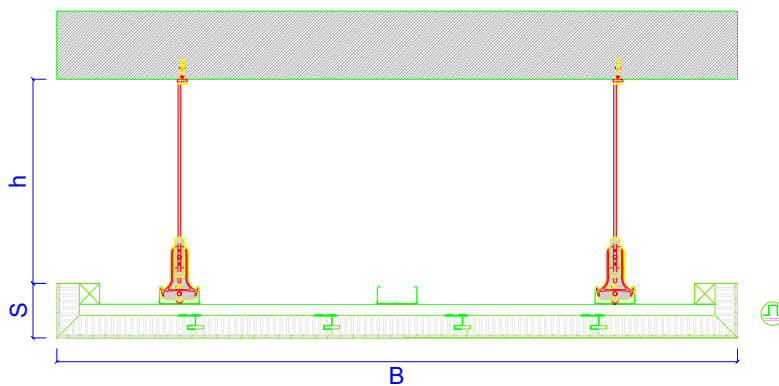
gültig für Abhängenhöhe $h = 300$ mm, ohne zusätzliche oberseitige Bedämpfung, bei Einzelmontage horizontal & parallel zur Decke

gültig für Abhängenhöhe $h = 300$ mm, ohne zusätzliche oberseitige Bedämpfung, bei Mehrfachmontage mit Reihenabstand >600 mm horizontal & parallel zur Decke

*) Datenquelle: Admonter Alphakabine

Typ A ... 2200x995mm

Typ B ... 1000x795mm



$S = 80$ mm

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

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

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

If „optional top-side damping“ is used to further increase the acoustic absorption behaviour, especially in the low-frequency range, insulation materials with the following properties should be preferred: e.g. „Floorrock® SE“ (rockwool.de), 30 mm thick.

For alternative products, a length-related flow resistance of approx. 25 kPa-s/m² must be observed.

Features wooden acoustic panels	Benefit
Acoustic products made of natural wood (available in different wood species – also Reclaimed wood)	Large choice – differentiation from the competition
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 acoustic solutions are perfectly coordinated to make your ideas come true and to give every room a very special atmosphere.

