



Floater - Schallabsorption

Die Schallabsorption bezeichnet den Vorgang der Verminderung der Schallenergie insbesondere (aber nicht notwendigerweise) durch Umwandlung in Wärme. „Absorbieren“ ist gleichbedeutend mit „Schlucken“ und „Aufsaugen“.

Zur quantitativen Bestimmung der Schallabsorption werden zwei Größen verwendet, der Absorptionskoeffizient und der Absorptionsgrad.

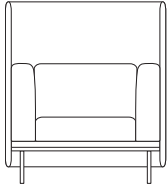
Acoustic absorption refers to the process by which a material, structure, or object takes in sound energy when sound waves are encountered, as opposed to reflecting the energy. Part of the absorbed energy is transformed into heat and part is transmitted through the absorbing body. The energy transformed into heat is said to have been 'lost'.

How well a room absorbs sound is quantified by the effective absorption area of the walls and is calculated using its dimensions and the absorption coefficients of the walls.

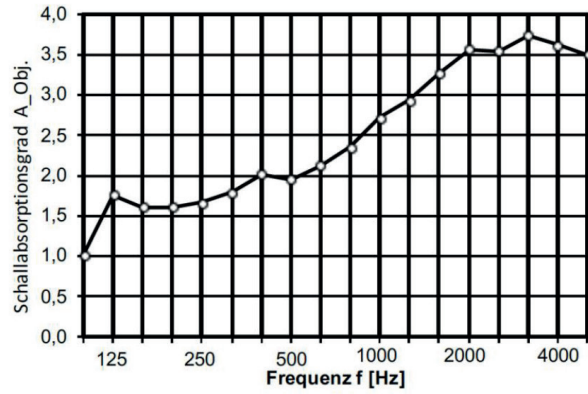


Sessel - Höhe 90 cm / Chair - height 90 cm

Artikel / Article 84111/84112/84121/84113/84131



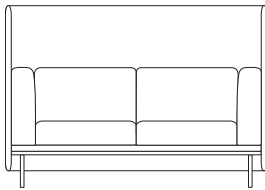
Frequenz [Hz]	A _{Obj} Terz	A _{Obj} Oktave
100	1,02	1,46
125	1,76	
160	1,61	
200	1,61	1,69
250	1,66	
315	1,79	
400	2,02	
500	1,96	2,03
630	2,12	
800	2,35	
1000	2,71	2,66
1250	2,93	
1600	3,26	
2000	3,57	3,46
2500	3,54	
3150	3,74	
4000	3,62	
5000	3,51	3,62



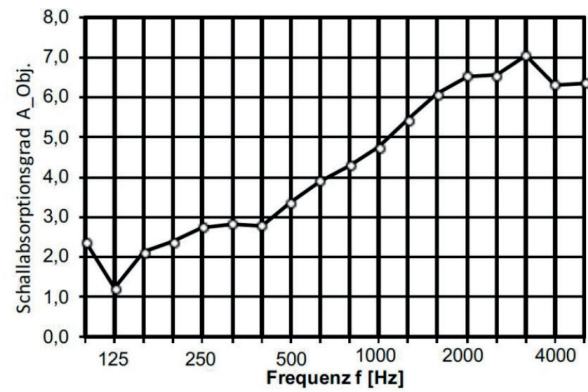
A_{Obj} Äquivalente Schallabsorptionsfläche nach ISO 354

Sofa 173 cm - Höhe 120 cm / Sofa - height 120 cm

Artikel / Article 84211/84212/84221/84222/84213/84231/84233/84214/84241



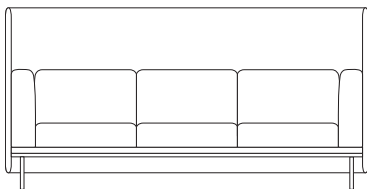
Frequenz [Hz]	A _{Obj} Terz	A _{Obj} Oktave
100	2,38	1,91
125	1,22	
160	2,13	
200	2,37	2,65
250	2,75	
315	2,84	
400	2,78	
500	3,37	3,35
630	3,90	
800	4,29	
1000	4,75	4,82
1250	5,43	
1600	6,08	
2000	6,53	6,39
2500	6,55	
3150	7,05	
4000	6,31	
5000	6,36	6,57



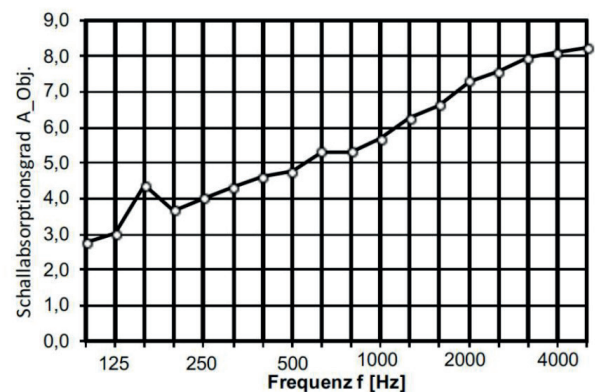
A_{Obj} Äquivalente Schallabsorptionsfläche nach ISO 354

Sofa 240 cm - Höhe 120 cm / Sofa 240 cm - height 120 cm

Artikel / Article 84311/84312/84322/84313/84331/84333/84314/84341/84318/84381/84315/
84351/84316/84361/84388/84317/84371/84377/84319/84391/84399/84419/84491



Frequenz [Hz]	A _{Obj} Terz	A _{Obj} Oktave
100	2,77	3,38
125	3,02	
160	4,36	
200	3,68	4,01
250	4,02	
315	4,33	
400	4,61	
500	4,76	4,90
630	5,31	
800	5,32	
1000	5,69	5,75
1250	6,25	
1600	6,62	
2000	7,30	7,16
2500	7,55	
3150	7,95	
4000	8,11	
5000	8,24	8,10



A_{Obj} Äquivalente Schallabsorptionsfläche nach ISO 354