



Affair - 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.

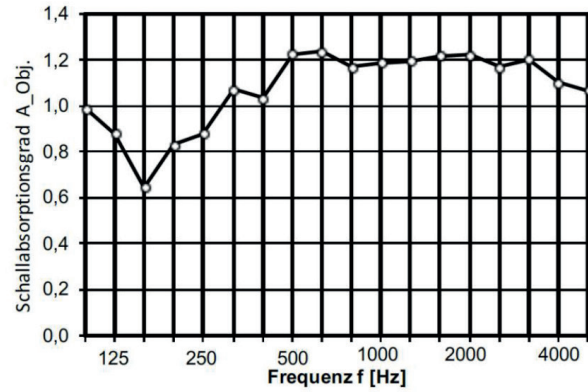


Element ohne Rücken (gerade + rund) / Element without back (straight + round)

Artikel / Article 25070/25017/25071

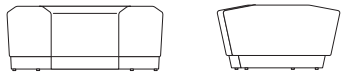


Frequenz [Hz]	A _{Obj.} Terz	A _{Obj.} Oktave
100	0,99	0,84
125	0,88	
160	0,64	
200	0,83	0,93
250	0,88	
315	1,07	
400	1,03	1,17
500	1,23	
630	1,24	
800	1,17	1,18
1000	1,19	
1250	1,20	
1600	1,22	1,20
2000	1,22	
2500	1,17	
3150	1,20	1,12
4000	1,10	
5000	1,07	



A_{Obj.} Äquivalente Schallabsorptionsfläche nach ISO 354

Artikel / Article 25075/25067/25076

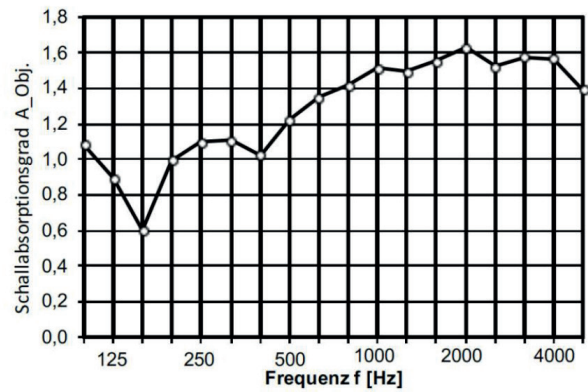


Element mit Rücken (gerade + rund) / Element with back (straight + round)

Artikel / Article 25170/25117/25171

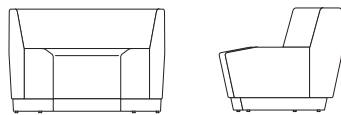


Frequenz [Hz]	A _{Obj.} Terz	A _{Obj.} Oktave
100	1,08	0,86
125	0,89	
160	0,60	
200	0,99	1,07
250	1,10	
315	1,11	
400	1,03	1,20
500	1,22	
630	1,35	
800	1,42	1,47
1000	1,51	
1250	1,49	
1600	1,55	1,57
2000	1,63	
2500	1,52	
3150	1,58	1,51
4000	1,57	
5000	1,39	

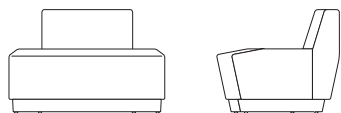


A_{Obj.} Äquivalente Schallabsorptionsfläche nach ISO 354

Artikel / Article 25175/25167/25176



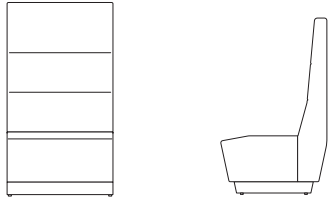
Artikel / Article 25185/25168/25186



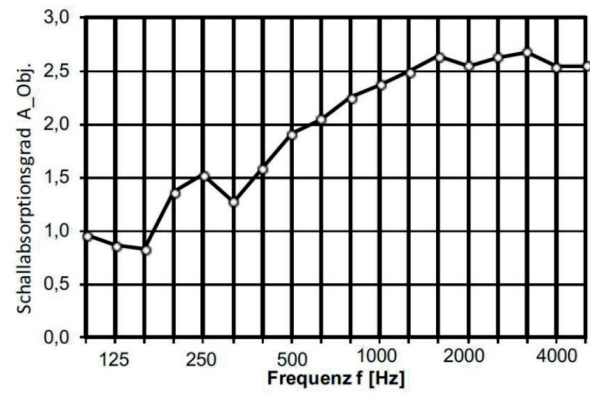


Element mit hohem Rücken (gerade + rund) / Element with high back (straight + round)

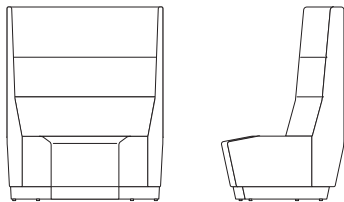
Artikel / Article 25130/25113/25131



Frequenz [Hz]	A _{Obj.} Terz	A _{Obj.} Oktave
100	0,96	0,88
125	0,86	
160	0,83	
200	1,36	1,39
250	1,52	
315	1,27	
400	1,59	1,85
500	1,91	
630	2,05	
800	2,25	2,37
1000	2,37	
1250	2,49	
1600	2,63	2,60
2000	2,55	
2500	2,63	
3150	2,67	2,59
4000	2,54	
5000	2,54	



Artikel / Article 25135/25163/25136



A_{Obj.} Äquivalente Schallabsorptionsfläche nach ISO 354

Artikel / Article 25145/25164/25146

