

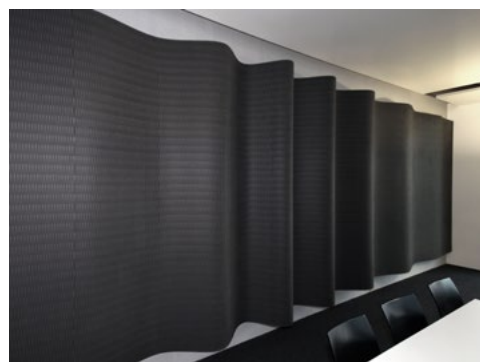
Akustik Systeme

Acoustic Systems



dukta-Akustikelemente eignen sich für akustisch sensible Räume wie Tonstudios, Kinos, Konzertsäle, Restaurants, Foyers, Schulungsräume usw. Messungen der EMPA Schweiz (Eidgenössische Materialprüfungs- und Forschungsanstalt) bestätigen die hohen Absorptionswerte. Zusätzlich kann auch die Schalldiffusion durch die gewellten Elemente gesteuert werden. Die ausgezeichneten akustischen Eigenschaften, zusammen mit der faszinierenden Optik, ermöglichen Raumerlebnisse für höchste Ansprüche.

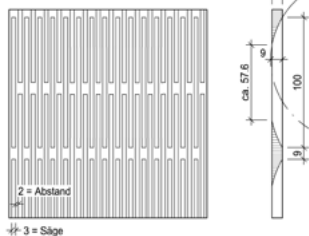
dukta acoustic elements are suitable for acoustically sensitive rooms such as concert halls, recording studios, cinemas, restaurants, foyers, classrooms, etc. Measurements by the Swiss Federal Laboratories for Materials Science and Technology (EMPA) confirm that corrugated dukta acoustic elements achieve remarkable high sound absorption values across all frequencies. The excellent acoustic properties, combined with the fascinating optics allow for spatial experiences that meet the highest demands.



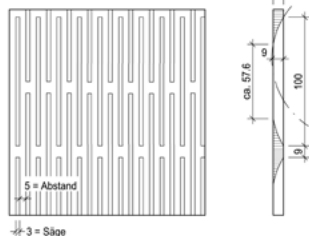
Akustik Messungen

Acoustic Measurements

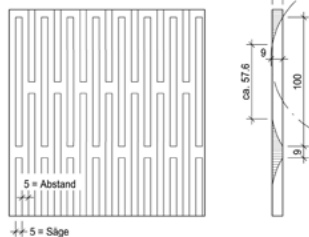
Muster 1



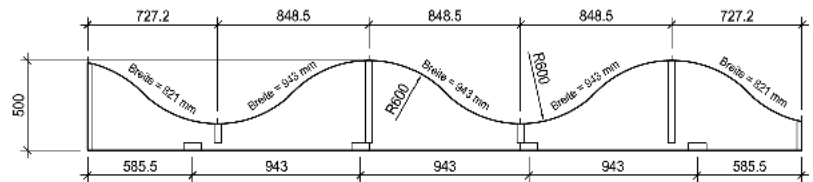
Muster 2



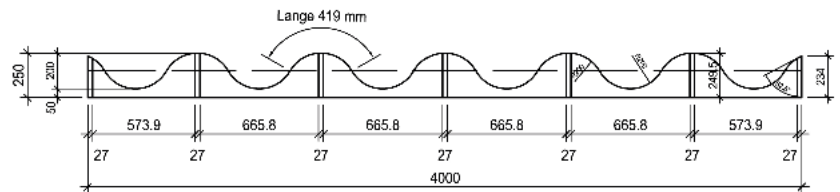
Muster 3



Prüfrahm A



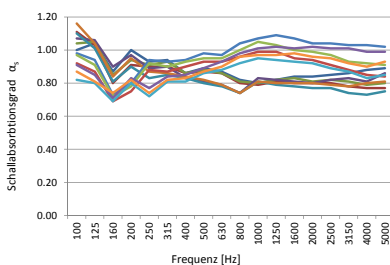
Prüfrahm B



Messergebnisse EMPA

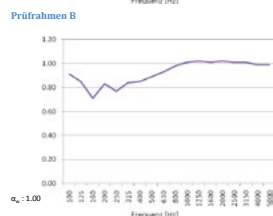
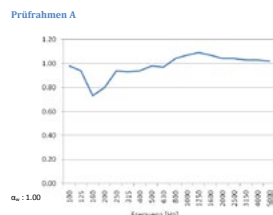
Test Results

Ohne Hinterfüllung			Mit Hinterfüllung		
A	B		A	B	
<input checked="" type="checkbox"/>	Muster 1	<input checked="" type="checkbox"/>	Muster 1	<input checked="" type="checkbox"/>	Muster 1
<input checked="" type="checkbox"/>	Muster 2	<input checked="" type="checkbox"/>	Muster 2	<input checked="" type="checkbox"/>	Muster 2
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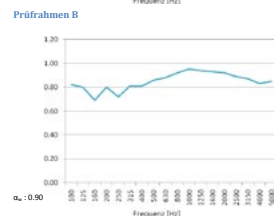
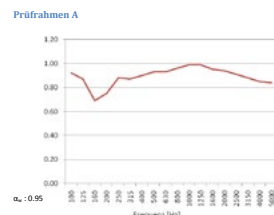


Frequenz [Hz]	Ohne Hinterfüllung			Mit Hinterfüllung		
	Prüfrahm A	Prüfrahm B	Prüfrahm A	Prüfrahm B	Prüfrahm A	Prüfrahm B
100	1.00	1.11	1.04	1.07	1.10	1.16
125	1.04	1.03	1.05	1.06	1.01	1.04
160	0.87	0.80	0.85	0.90	0.81	0.84
200	1.00	0.91	0.94	0.97	0.90	0.95
250	0.93	0.90	0.91	0.89	0.83	0.87
315	0.94	0.90	0.93	0.90	0.85	0.86
400	0.86	0.86	0.86	0.83	0.83	0.84
500	0.89	0.87	0.88	0.81	0.80	0.82
630	0.87	0.86	0.86	0.79	0.78	0.79
800	0.82	0.80	0.81	0.74	0.74	0.74
1000	0.80	0.79	0.80	0.83	0.81	0.81
1250	0.82	0.81	0.82	0.82	0.79	0.80
1600	0.84	0.80	0.83	0.81	0.78	0.80
2000	0.84	0.80	0.81	0.80	0.77	0.80
2500	0.85	0.80	0.82	0.82	0.77	0.79
3150	0.86	0.78	0.81	0.83	0.74	0.78
4000	0.88	0.77	0.79	0.81	0.73	0.80
5000	0.89	0.77	0.80	0.86	0.75	0.81

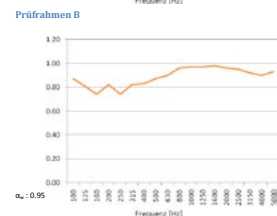
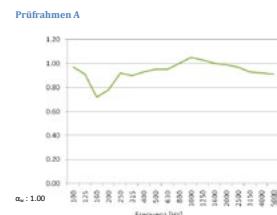
Muster 1, mit Hinterfüllung



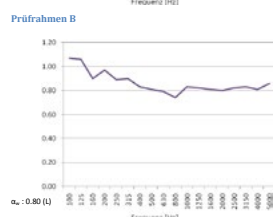
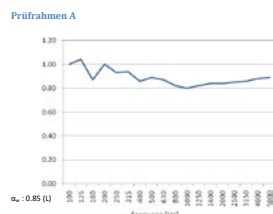
Muster 2, mit Hinterfüllung



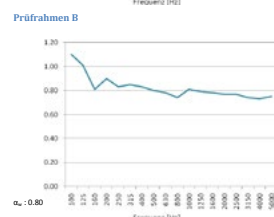
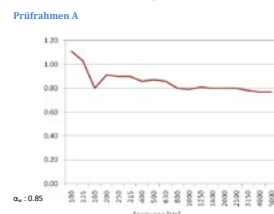
Muster 3, mit Hinterfüllung



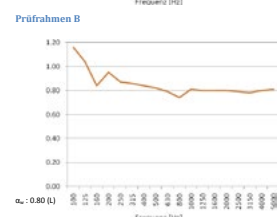
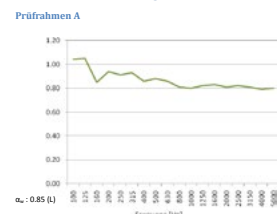
Muster 1, ohne Hinterfüllung



Muster 2, ohne Hinterfüllung



Muster 3, ohne Hinterfüllung



Materials Science & Technology