

ACOUSTIC ABSORPTION IN ACCORDANCE WITH ISO 354:2003(E)

measurement 5

Kees van Dorsser laboratory (LBP|SIGHT)

Commissioning party:	Bowiq Benelux BV	Framing type	MDF
Project number:	059905ab	Area:	12 m ²
Measurement date:	November 4 , 2020	Measurement room volume:	216 m ³

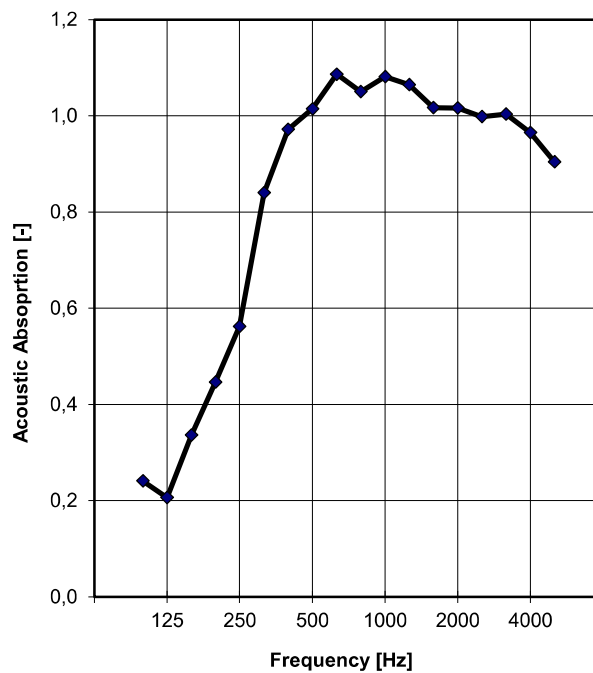
Structure description:
 BoSpray
 Average thickness spray plaster of 40mm
 Load-bearing background of plaster

Structure set-up:
Total thickness: 60mm
Air gap thickness: -
Absorption thickness

Temperature 15°C
Relative humidity 64%

Manufacturer Bowiq Benelux BV

Freq	T _{empty}	T _{full}	α_s	α_p
100	5,33	3,72	0,24	
125	4,86	3,63	0,21	0,26
160	4,97	3,18	0,34	
200	4,80	2,79	0,45	
250	4,32	2,38	0,56	0,62
315	5,20	2,11	0,84	
400	5,34	1,95	0,97	
500	5,61	1,93	1,01	1,02
630	5,57	1,84	1,09	
800	5,30	1,85	1,05	
1000	5,26	1,81	1,08	1,07
1250	4,95	1,79	1,06	
1600	4,59	1,79	1,02	
2000	4,04	1,70	1,02	1,01
2500	3,40	1,59	1,00	
3150	2,91	1,47	1,00	
4000	2,40	1,35	0,96	0,96
5000	1,89	1,20	0,90	



Designations in accordance with ISO 11654

Designations in accordance with ASTM C423-99

Weighted sound absorption α_w :	0,9 ()	Noise Reduction Coefficient, NRC:	0,95
Sound Absorption Class :	A	Sound Absorption Average, SAA:	0,93