

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

measurement 4

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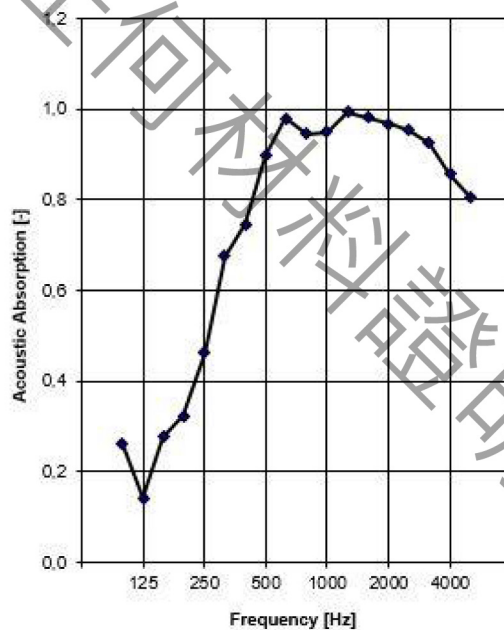
Commissioning party:	ICC Europe	Framing type:	MDF
Project number:	058906ab	Area:	12 m ²
Measurement date:	March 7, 2018	Measurement room volume:	216 m ³

Structure description: ThermoCon T
Average thickness spray/fibre plaster of 25mm
Load-bearing background of plaster

Structure set-up: **Temperature** 15°C
Total thickness: 50mm **Relative humidity** 64%
Air gap thickness: -
Absorption thickness 

Manufacturer ICC Europe

Freq	T_{empty}	T_{full}	α_x	α_p
100	5,33	3,64	0,26	
125	4,86	3,94	0,14	0,23
160	4,97	3,40	0,28	
200	4,80	3,16	0,32	
250	4,32	2,59	0,46	0,49
315	5,20	2,39	0,67	
400	5,34	2,29	0,74	
500	5,61	2,09	0,90	0,87
630	5,57	1,97	0,98	
800	5,30	1,98	0,94	
1000	5,26	1,97	0,95	0,96
1250	4,95	1,87	0,99	
1600	4,59	1,83	0,98	
2000	4,04	1,75	0,97	0,97
2500	3,40	1,63	0,95	
3150	2,91	1,53	0,92	
4000	2,40	1,42	0,86	0,86
5000	1,89	1,25	0,81	



Designations in accordance with ISO 11654

Designations in accordance with ASTM C423-99

Weighted sound absorption α_w : 0,75 ()

Noise Reduction Coefficient, NRC: 0,80

Sound Absorption Class: C

Sound Absorption Average, SAA: 0,82