

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

measurement 9

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<b>Commissioning party:</b>	ICC Europe	<b>Framing type</b>	MDF
<b>Project number:</b>	058906ab	<b>Area:</b>	12 m <sup>2</sup>
<b>Measurement date:</b>	March 8, 2018	<b>Measurement room volume:</b>	216 m <sup>3</sup>

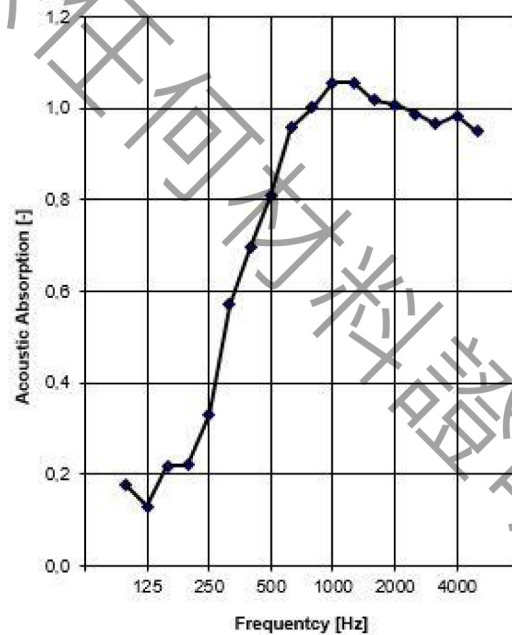
**Structure description:** ThermoCon Fine  
Average thickness spray/fibre plaster of 20mm  
Load-bearing background of plaster

**Structure set-up:** **Temperature** 16°C  
**Relative humidity** 60%

**Total thickness:** 45mm  
**Air gap thickness:** -  
**Absorption thickness:** -

**Manufacturer** ICC Europe

Freq	T <sub>empty</sub>	T <sub>full</sub>	$\alpha_z$	$\alpha_p$
100	5,33	4,05	0,18	
125	4,86	4,01	0,13	0,17
160	4,97	3,64	0,22	
200	4,80	3,54	0,22	
250	4,32	2,92	0,33	0,37
315	5,20	2,61	0,57	
400	5,34	2,38	0,70	
500	5,61	2,23	0,81	0,82
630	5,57	2,00	0,96	
800	5,30	1,91	1,00	
1000	5,26	1,84	1,06	1,04
1250	4,95	1,80	1,06	
1600	4,59	1,79	1,02	
2000	4,04	1,71	1,01	1,00
2500	3,40	1,60	0,99	
3150	2,91	1,50	0,96	
4000	2,40	1,34	0,98	0,97
5000	1,89	1,18	0,95	



Designations in accordance with ISO 11654		Designations in accordance with ASTM C423-99	
Weighted sound absorption $\alpha_w$ :	0,65 (MH)	Noise Reduction Coefficient, NRC:	0,80
Sound Absorption Class:	C	Sound Absorption Average, SAA:	0,81