

Datasheet

Sound absorption coefficient

Measurement of sound absorption in a reverberation room

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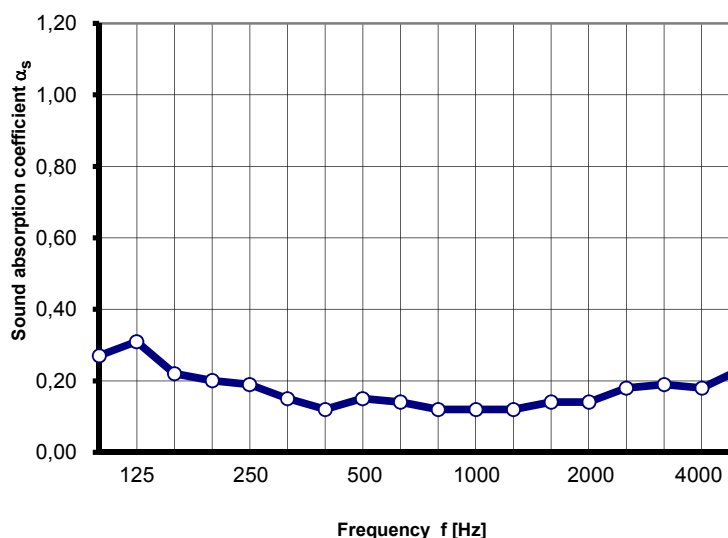
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Test specimen: AMF-Thermatex Acoustic RL, 600x600mm

19,0 mm Test specimen with edge detail: SK

200 mm construction height

Frequency [Hz]	α_s 1/3 octave	α_p octave
100	0,27	0,25
125	0,31	
160	0,22	
200	0,20	0,20
250	0,19	
315	0,15	
400	0,12	0,15
500	0,15	
630	0,14	
800	0,12	0,10
1000	0,12	
1250	0,12	
1600	0,14	0,15
2000	0,14	
2500	0,18	
3150	0,19	0,20
4000	0,18	
5000	0,23	



α_s Sound absorption coefficient

α_p Practical sound absorption coefficient according to ISO 11654

Rating according to ISO 11654:

Weighted sound absorption coefficient α_w = 0,15 L

Sound absorption class: **E**

Rating according to VDI 3755 - 2000:

hardly absorbing

Rating according to ASTM C 423-02a:

sound absorption average: SAA = 0,15

noise reduction coefficient: NRC = 0,15

This datasheet is based on Test Report No.:

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