SRL

Sound Research Laboratories

UKAS TESTING 0444

INVESTORS IN PEOPLE

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Confidential

Test Certificate Number

19858

Date: 17 September 2025

See SRL Report 82838-SRL-RP-XT-002-P1 for full details

Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Test Number:	4	**Test Room:**	**Empty**	**With Sample**
Client:	Rockfon, ROCKWOOL Danmark A/S	**Air Temperature:**	21.3 °C	21.7 °C
Test Date:	20/06/2025	**Air Humidity:**	64.8 % RH	68.1 % RH
Chamber Volume:	300.1 m³	**Air Pressure:**	1018 mbar	1018 mbar
Mounting Method:	E-200	**Sample Area:**	10.31 m²	
Sample Description:	Rockfon Ekla+ E24S8 600x600x20mm WK22/5/A			

Frequency Hz	T1, empty room reverberation time sec	T2, room reverberation time with sample sec	Sound Absorption Coefficient α_s	Practical Sound Absorption Coefficient α_p
*50**	*4.66*	*4.29*	*0.09*	*n/a*
*63**	*4.82*	*3.87*	*0.24*	
*80**	*5.62*	*3.91*	*0.37*	
100	*6.71*	*4.38*	*0.37*	*0.50*
125	*6.17*	*3.68*	*0.51*	
160	*5.73*	*3.26*	*0.62*	
200	*6.29*	*3.00*	*0.82*	*0.95*
250	*6.31*	*2.71*	*0.99*	
315	*6.56*	*2.76*	*0.98*	
400	*6.49*	*2.63*	*1.06*	*1.00*
500	*5.67*	*2.46*	*1.08*	
630	*4.98*	*2.46*	*0.96*	
800	*4.95*	*2.52*	*0.91*	*0.95*
1000	*5.52*	*2.69*	*0.89*	
1250	*5.41*	*2.50*	*1.00*	
1600	*4.95*	*2.39*	*1.01*	*1.00*
2000	*4.61*	*2.32*	*1.00*	
2500	*4.20*	*2.17*	*1.04*	
3150	*3.61*	*2.01*	*1.04*	*1.00*
4000	*3.06*	*1.82*	*1.06*	
5000	*2.53*	*1.61*	*1.09*	
*6300**	*1.96*	*1.37*	*1.10*	n/a
*8000**	*1.51*	*1.13*	*1.14*	
*10000**	1.09	0.89	1.13	

α_w 1.00

Class A

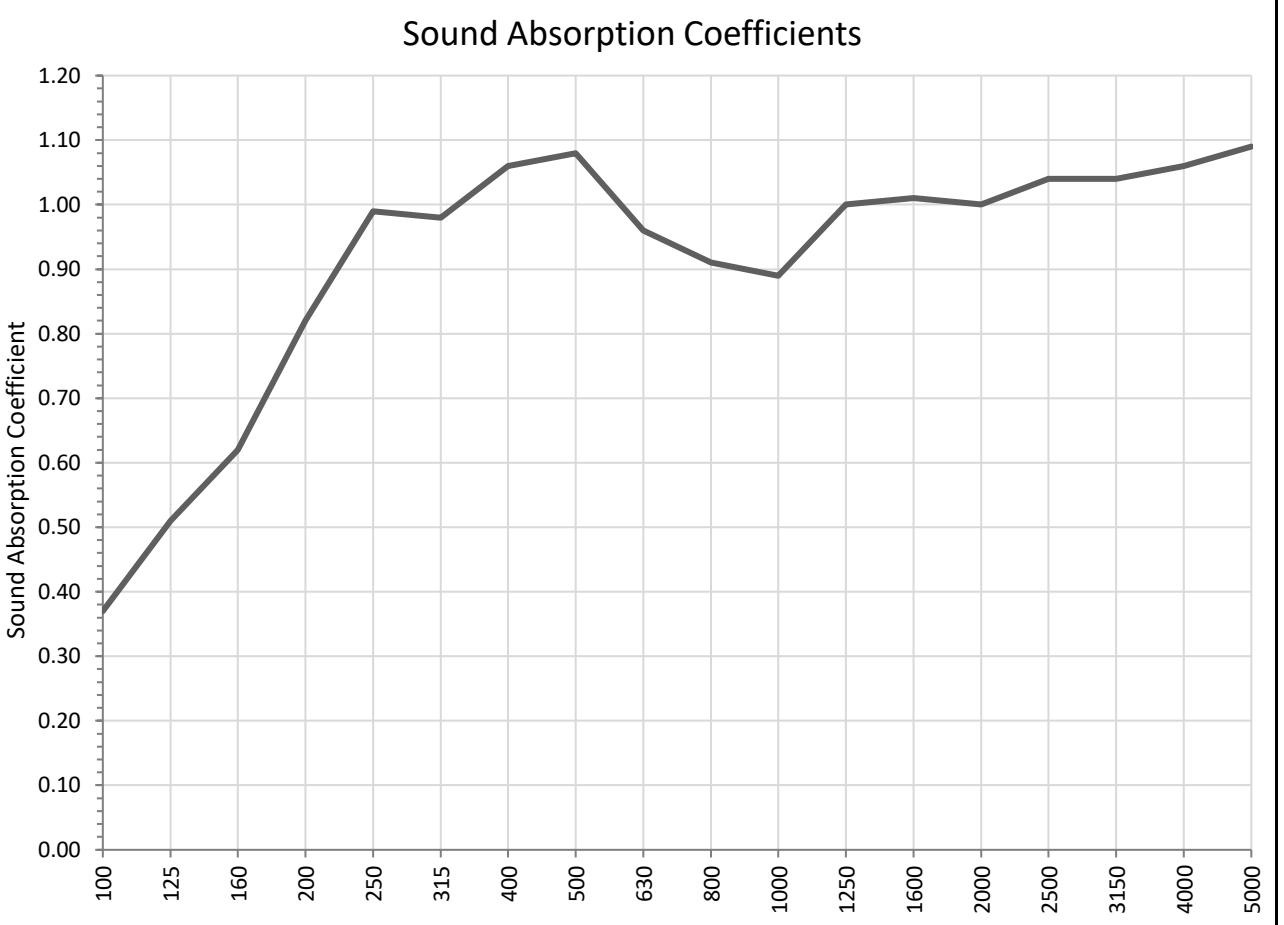
Calculated to BS EN ISO 11654:1997

NRC 1.00

Calculated to ASTM C 423-01

** Denotes frequencies outside the range covered by BS EN ISO 354:2003 and not UKAS accredited*

Version 4



Richard Calvert
Tester

Allen Smalls
Quality Manager

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