BS EN ISO 354:2003
Acoustics - Measurement of absorption in a reverberation room

Client:	**University of Salford TEST LABORATORY** Newton Building, Room G32, The University of Salford, Salford, M5 4WT
Sample Reference:	**Audit Sample**
Description of Sample:	Carpet Tiles - Type A Mounting

Room Volume:	221 m³	Location:	Acoustic Transmission Suite
Sample Size:	12.04 m²	Test Room	Large reverberation Room
Sample Thickness:	11.0 mm	Condition:	Clean

Sample Out		***Sample In***	
Temperature	20.1 °C	Temperature	20.1 °C
Relative Humidity	51.8 %	Relative Humidity	51.7 %
Static Pressure	101.4 kPa	Static Pressure	101.4 kPa

Random Incidence Sound Absorption Coefficient

Frequency [Hz]	T_1 [s]	T_2 [s]	α_S
100	5.54	5.37	0.02
125	5.61	5.28	0.03
160	6.32	5.85	0.04
200	6.45	6.12	0.02
250	7.41	6.70	0.04
315	7.50	6.63	0.05
400	7.14	6.17	0.07
500	7.06	5.81	0.09
630	6.83	5.32	0.12
800	6.62	4.70	0.18
1000	6.04	3.74	0.30
1250	5.52	3.20	0.39
1600	5.04	3.06	0.38
2000	4.55	2.81	0.40
2500	3.84	2.48	0.42
3150	3.25	2.16	0.46
4000	2.46	1.72	0.51
5000	2.11	1.52	0.54

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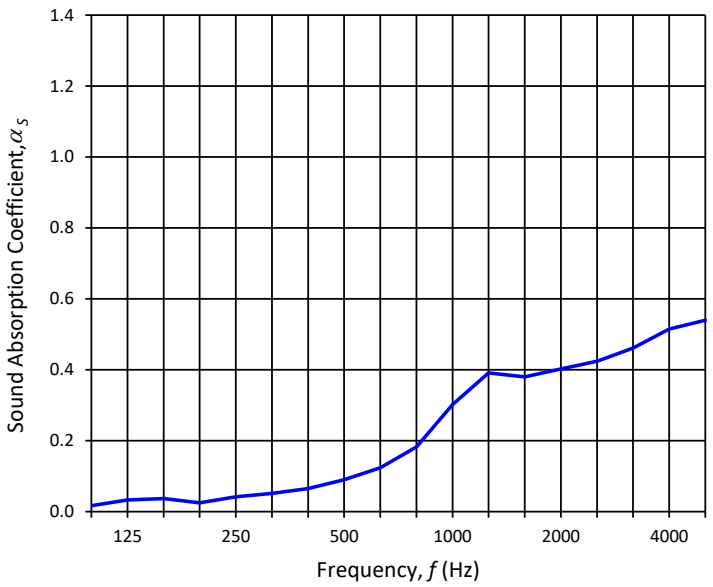
Client:	**University of Salford TEST LABORATORY** Newton Building, Room G32, The University of Salford, Salford, M5 4WT
Sample Reference:	**Audit Sample**
Description of Sample:	Carpet Tiles - Type A Mounting

Room Volume:	221 m³	Location:	Acoustic Transmission Suite
Sample Size:	12.04 m²	Test Room	Large reverberation Room
Sample Thickness:	11.0 mm	Condition:	Clean

Sample Out		***Sample In***	
Temperature	20.1 °C	Temperature	20.1 °C
Relative Humidity	51.8 %	Relative Humidity	51.7 %
Static Pressure	101.4 kPa	Static Pressure	101.4 kPa

Random Incidence Sound Absorption Coefficient

Frequency [Hz]	α_S
100	0.02
125	0.03
160	0.04
200	0.02
250	0.04
315	0.05
400	0.07
500	0.09
630	0.12
800	0.18
1000	0.30
1250	0.39
1600	0.38
2000	0.40
2500	0.42
3150	0.46
4000	0.51
5000	0.54



Signed: _____

Test reference: XXXX-YYYY Date: 10 July 2020

University of Salford, School of Computing Science & Engineering

BS EN ISO 11654:1997
Acoustics - Sound absorbers for use in buildings

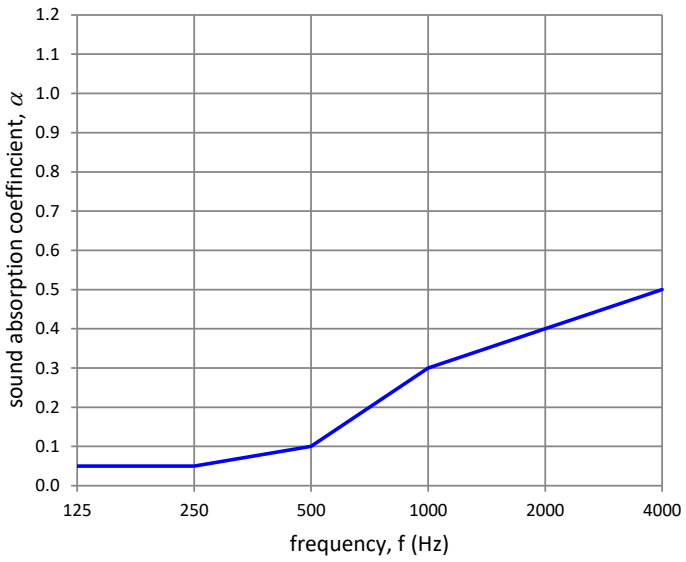
Client:	**University of Salford TEST LABORATORY** Newton Building, Room G32, The University of Salford, Salford, M5 4WT
Sample Reference:	**Audit Sample**
Description of Sample:	Carpet Tiles - Type A Mounting

Room Volume:	221 m³	Location:	Acoustic Transmission Suite
Sample Size:	12.04 m²	Test Room	Large reverberation Room
Sample Thickness:	11.0 mm	Condition:	Clean

Sample Out		***Sample In***	
Temperature	20.1 °C	Temperature	20.1 °C
Relative Humidity	51.8 %	Relative Humidity	51.7 %
Static Pressure	101.4 kPa	Static Pressure	101.4 kPa

Random Incidence Sound Absorption Coefficient

Frequency [Hz]	α_{pi}
125	0.05
250	0.05
500	0.10
1000	0.30
2000	0.40
4000	0.50



α_w = 0.20 (H)

Classification: E

Signed: _____

If a shape indicator is given, it is strongly recommended to use this single-number rating in combination with the complete absorption coefiicient curve that can be obtained on request.

Test reference: XXXX-YYYY Date: 10 July 2020

University of Salford, School of Computing Science & Engineering