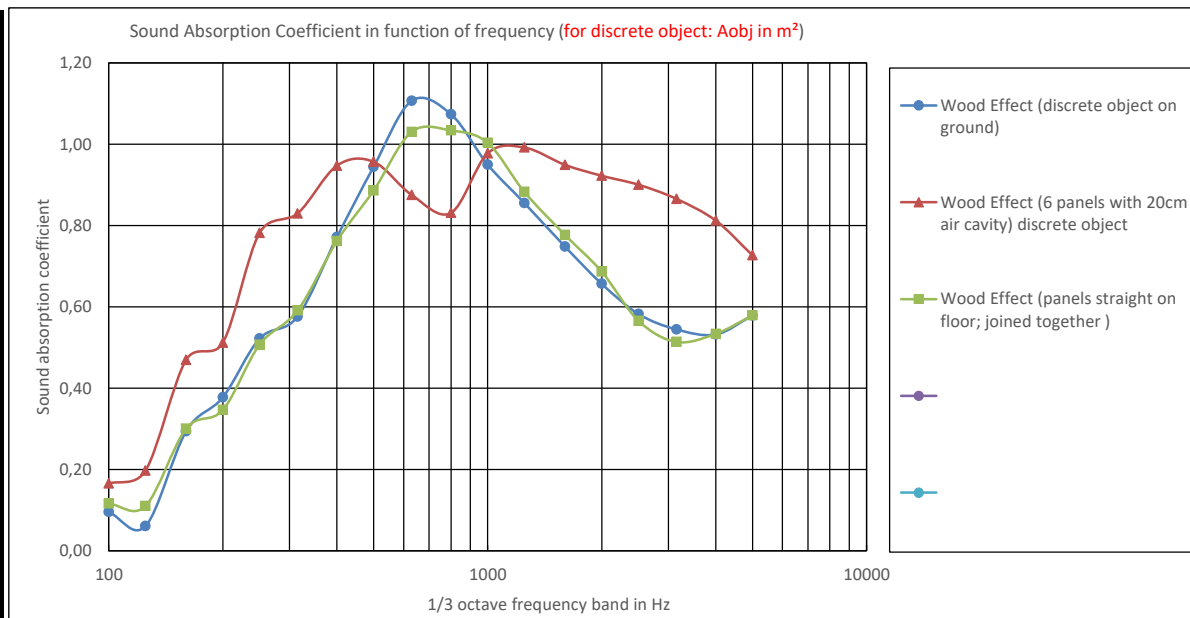


Test Date:	14 December 2018
Customer:	SAS TEXDECOR
Project:	2018_ES_201
Measurement:	Measurement of sound absorption in a reverberation room (ISO 354)
Test object:	Wood Effect

Test Date	Product	Rating of sound absorption according ISO 11654		Temp. in °C	Rel. Hum. in %RH	Atm. Press. in mbar	Remark
		α_w	Class				
14/12/18	Wood Effect (discrete object on ground)	0,70	€	18,8	50	1020	Discrete object: Aobj in m ²
14/12/18	Wood Effect (6 panels with 20cm air cavity) discrete object	0,90	A	18,7	50	1020	
14/12/18	Wood Effect (panels straight on floor; joined together)	0,70	C	18,8	51	1020	10,5 m ² (joined together)

Frequency in Hz	Sound Absorption Coefficient α		
	Wood Effect (discrete object on ground)	Wood Effect (6 panels with 20cm air cavity) discrete object	Wood Effect (panels straight on floor; joined together)
100	0,10	0,17	0,12
125	0,06	0,20	0,11
160	0,29	0,47	0,30
200	0,38	0,51	0,35
250	0,52	0,78	0,51
315	0,58	0,83	0,59
400	0,77	0,95	0,76
500	0,94	0,96	0,89
630	1,11	0,88	1,03
800	1,07	0,83	1,03
1000	0,95	0,98	1,00
1250	0,86	0,99	0,88
1600	0,75	0,95	0,78
2000	0,66	0,92	0,69
2500	0,58	0,90	0,57
3150	0,54	0,87	0,51
4000	0,53	0,81	0,53
5000	0,58	0,73	0,58



Test Date:	14 December 2018
Customer:	SAS TEXDECOR
Project:	2018_ES_201
Measurement:	Measurement of sound absorption in a reverberation room (ISO 354)
Test object:	Wood Effect Line

Test Date	Product	Rating of sound absorption according ISO 11654		Temp. in °C	Rel. Hum. in %RH	Atm. Press. in mbar	Remark
		α_w	Class				
14/12/18	Wood Effect Line (discrete object on ground)	0,60	€	19,1	50	1020	Discrete object: Aobj in m ²
14/12/18	Wood Effect Line (6 panels with 20cm air cavity) discrete object	0,85	B	18,5	52	1020	
14/12/18	Wood Effect Line (panels straight on floor; joined together)	0,60	C	18,7	52	1020	10,5 m ² (joined together)

Frequency in Hz	Sound Absorption Coefficient α		
	Wood Effect Line (discrete object on ground)	Wood Effect Line (6 panels with 20cm air cavity) discrete object	Wood Effect Line (panels straight on floor; joined together)
100	0,09	0,11	0,11
125	0,08	0,11	0,11
160	0,31	0,34	0,28
200	0,37	0,48	0,32
250	0,53	0,77	0,51
315	0,63	0,84	0,59
400	0,81	1,00	0,74
500	1,01	0,97	0,87
630	1,10	0,89	1,04
800	1,10	0,87	1,01
1000	0,98	1,01	1,01
1250	0,85	0,96	0,91
1600	0,74	0,93	0,77
2000	0,64	0,88	0,64
2500	0,52	0,83	0,49
3150	0,45	0,75	0,43
4000	0,44	0,65	0,38
5000	0,38	0,55	0,38

