





				Test Rep	oort		0
Report nº:	ACL	287/13				Date:	2013/09/16
Requeste	d by:						
•	Name:	VISOUND ACÚS	STICA, LDA				
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Manufacti	urer and test	t specimen ide	ntification:	_			
	Name*:	VISOUND ACÚS					
Tes		Multifuser Wood	···············				
, ,	ж оросииси .	Wuldinger 41000					<u> </u>
T4 d-4-							, <u>, , , , , , , , , , , , , , , , , , </u>
Test data						1/0 (10) 00	
	Test:		asurement of soun	nd absorption	(in a reverberation	room) (Ref. ACL.02	9
	Date:	2013/09/05			Davouh a noti a n		- al a
		rberation room:	-			room with test sp	
	Temperatur	• •		5.4		perature (°C):	
	Relative Hu	• • •		5.2	Relative F	łumidity (%):	56.3
		NP EN ISO 354			Banant author/al	1 1 0	- Autint-
	Operator(s)	<u> </u>	gor Castro / José Na	ascimento	Report author(s)	Igor Castro / Juliet	a Antonio
•	imen descri	•			e test specimen (m²):		d veneer and 75mm maximum
classified as	type "A", in agre	eement with the sta otal area of 10.6 m2	ndard NP EN ISO 354	4. The collocati	on of the sample in the re	everberation room folio	m, corresponding to an assembly owed the indications of standard
Reverbera	ation room d	lescription:	Voium	ne of the reve	erberation room (m³):	204.0	
The reverber 354:2007, 15 the reverber	ration room has polycarbonate ation room, help	a rectangular shape diffusing elements ing to create a diffu	were used, with 30 m2	2 of total area a with the speci	and different concave and	d convex geometries, r	or to comply with NP EN ISO randomly placed on the ceiling of ace area of the room (walls, floor
Test equi							
microphone	boom, type 392:	3, GIR01, with "Bru	el & Kjaer" 1/2" microj	phone, type 41			channels; "Bruel & Kjaer" rotating 4231, from "Bruel & Kjaer", CLS04;
Additiona	l informatio	n related with t	he test:				
	Number of r	nicrophone posi	itions: 3	Number	of source positions:	4	
	Number of c	lecays per micro	ophone/source cor	nbination:	3		
	Evaluation r	nethod of revert	peration time:	ba	ased on decay curves	_	
		t in bands of:	One-third-			_	
Notes	•	•			itten agreement of ITeCo	ons.	
		e valid exclusively t with * supplied by (or the tested specime customer.	113.			page 1/2

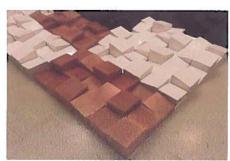


L0446

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Picture of the test specimen:





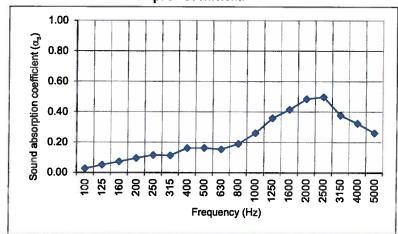
Average reverberation times (T1 - empty reverberation room; T2 - reverberation room with test specimen):

200		000000000000000000000000000000000000000							
Freq. (Hz)	100	125	160	200	250	315	400	500	630
T1 (s)	16.38	11.83	11.23	9.76	8.71	8.07	9.36	10.05	9.43
T2 (s)	14.41	9.90	8.89	7.50	6.56	6.23	6.27	6.57	6.40
Freq. (Hz)	800	1000	1250	1600	2000	2500	3150	4000	5000
T1 (s)	8.83	8.26	7.65	6.71	6.07	4.72	3.88	3.32	2.66
T2 (s)	5.72	4.86	4.04	3.52	3.10	2.68	2.63	2.46	2.17

Sound absorption coefficient (α_s):

Freq. (Hz)	100	125	160	200	250	315	400	500	630
ας	0.03	0.05	0.07	0.10	0.12	0.11	0.16	0.16	0.15
Freq. (Hz)	800	1000	1250	1600	2000	2500	3150	4000	5000
a_{s}	0.19	0.26	0.36	0.41	0.48	0.50	0.38	0.32	0.26

Graphical presentation of the sound absorption coefficient:



Remarks:

Technical responsability

The results are valid exclusively for the tested specimens.

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Administration

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