

## LABORATORY MEASUREMENT OF THE REDUCTION OF TRANSMITTED IMPACT SOUND OF A FLOOR COVERING

Test report ID: T2119-1, T2119-9 and T2119-10 Report prepared by: Mr Gian Schmid Dr Andrew Hall

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Reduction of impact sound pressure level according to ISO 10140-3 Laboratory measurements of the reduction of transmitted impact sound by floor coverings on a heavyweight reference floor																	
Client:	Autodec										ate of			uly 202			A
Description a	and identificat	tion of the te	st speci	men ar	nd test a	arrange	ement	:			restro	oms:	Reve	rperatio	on Cha	mpers	A and E
Flooring weari	ng surface: Sup	oportapad/Cu	shionbac	340 un	derlay on	ıly											
Adhesive: Pres Underlay adhe Sample dimen	rlay: Supportap source sensitive a ered to concrete sions: 4 sample floor: 3.2m x 3	adhesive Giltgr e reference sla es each measu	<i>ip 66</i> ab.		0mm												
Deviation from full report. Air temp in the Air humidity in	n test rooms:	bare test floc 16 68	or used is °C %	s of unif 80.0					-		-			bare tes	st floor	given i	in the
Receiving re	oom volume:	153	m°	75.0													
Frequency f Hz	L <sub>n,0</sub> One-third octave dB	∆ <i>L</i> One-third octave dB		70.0 65.0													
50	53.2	3.7	1	60.0													
63	50.4	3.9	đВ	55.0					_		_				+ +	+	
80 100	56.6 61.0	1.1 <b>2.4</b>	impact sound pressure level, ∆L, dB	50.0												*	
125	67.1	3.5	evel	50.0													
160	65.6	3.6	nre l	45.0											╞╴╋		
200 250	67.9 68.3	4.8 5.5	ress	40.0													
315	70.4	7.3	id pr	10.0													
400	72.9	9.1	sour	35.0										-/	1+		-
500	80.1	10.4	act	30.0										/			
630	76.1	13.5		30.0													
800 1000	72.2 73.0	17.2 20.9	n of	25.0	+				_		_		- /			_	
1250	73.2	25.9	ictio														
1600	78.6	32.1	Reduction of	20.0													
2000	78.2	36.9	Ľ.	15.0	$\vdash$		_					Ā	+				$\mid \mid \mid$
2500	76.4	45.0	┦														
3150 4000	<b>75.5</b> 72.0	<b>51.9</b> 58.9		10.0							-						
5000	69.2	64.6		5.0													
Notes: #N/A = values are use < indicates that	Value not ava ed to calculate at the true value are floor impac	ilable. <b>Bold</b> ∆L <sub>w</sub> . e is lower.	<u>.</u>	0.0	63	100	125	200	250		ency, f		1250	1600	2000	3150	5000
	ding to ISO 7																
$\Delta L_{w}$ = 20 dB $C_{I,\Delta}$ = 11 dB						$C_{I,r} = -1 \text{ dB}$ $C_{I,50-2500} = 0 \text{ dB}$								В			
These results	are based on a	a test made wi	ith an ar	ificial so	ource und	der labo	ratory	condi	tions (e	nginee	ering N	lethod)	) with th	ne spec	ified re	ferenc	e floor.
No	of test report:	T2140 4				N	amo	of toot	inctit		aivor-"	V of A:	ickla -	1 1 0 0	tion Tr	otine (	Convice
NO. C	of test report: Date:	12119-1 18-August-2	2021			N	arne (		institu Signatu			y of AL		ACOUS	ucs le	sung S	Service.









