

## Summary of Research

Product Properties

Report number: IS-RPT-033-DTS-2006-00469-S1

Valid until: 1 April 2012

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**TNO.NL**

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## Improvement of impact sound insulation by click laminate on 9 mm Multilayered softboard SILENT+

**Client:**

STEICO AG  
Hans-Riedl-Strasse 21  
D-85622 Feldkirchen  
Germany

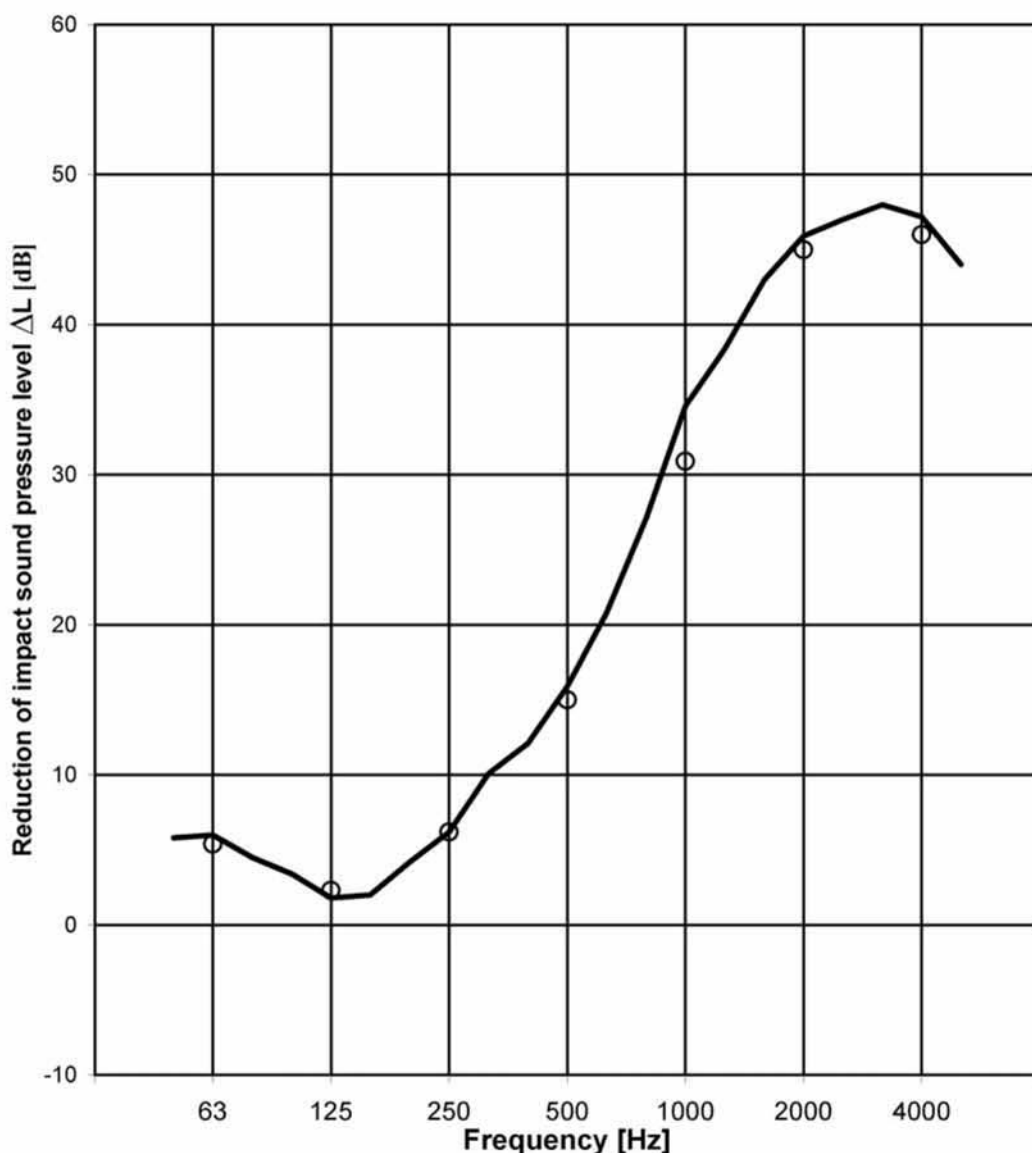
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**REDUCTION OF TRANSMITTED IMPACT SOUND BY FLOOR COVERINGS as in EN-ISO 140-8**

Client	: Steico A.G.	Product	: SILENT +
Project number	: 033.12852	Test room	: TNO Delft, room 4-1
Mounted by	: Steico A.G.	Date of test	: 2006-06-13
Description specimen	: Click laminate on 9 mm Multilayered softboard SILENT +, loaded with 23 kg/m <sup>2</sup> ; mounted on standard test floor of ca. 260 kg/m <sup>2</sup> concrete.		

Freq. Hz	ΔL	
	1/3 oct dB	1/1 oct dB
50	5,8	
63	6	5,4
80	4,5	
100	3,4	
125	1,8	2,3
160	2,0	
200	4,2	
250	6,2	6,2
315	10,1	
400	12,1	
500	15,9	15,0
630	20,8	
800	27,1	
1000	34,6	30,9
1250	38,4	
1600	43,0	
2000	45,9	45,0
2500	47,0	
3150	48,0	
4000	47,2	46,0
5000	44,0	



Rating in accordance with EN-ISO 717-2

$\Delta L_w; \Delta L_{lin} = 21 ; 10 \text{ dB}$

Relevant for the Netherlands

$\Delta L_{lin} = 10 \text{ dB}$

Used in the Netherlands till now

$\Delta I_{co-lab} \approx \Delta L_{lin}$