

## Short test report

Measurement of impact sound insulation

**Test report No.:** 1311/604/R

**Applicant** unifloor B.V.  
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NL 7418 EV Deventer

Schallschutzprüfstelle VPMA · Zertifiziert  
Güteprüfungen · Eignungsprüfungen · ABP  
Staatlich anerkannte Sachverständige für den  
Schallschutz und Wärmeschutz · IK-Bau NRW  
Blower Door Messungen · Gebäudethermografie ·  
Energieberatung · EnEV-Nachweise Wohn-  
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Aachen, 01.10.2014

**Product Name** Underlay System  
Heat-PaXX traditional

**Construction** (from top to bottom) 2,5 mm PVC (LVT mFLOR)  
7 mm Jumpax Basic  
1,2 mm Heat-Foil

**Category** II according to ISO 10140, see annotation

**Testing surface** 10 m<sup>2</sup>

**Installation** loose laid on the floor besides these it sticks together

**Annotations** weighted down with ca. 23 kg/m<sup>2</sup>

### Supplement 1 cf. s measurement results

$\Delta L_w = 20$  dB                       $\Delta L_{lin} = 10$  dB

$C_{i,\Delta} = -10$  dB                       $C_{i,r} = -1$  dB                       $C_{i,r,50-2500} = 1$  dB

Fundamentals: EN ISO 10140-1 : 2010-12  
EN ISO 10140-3 : 2010-12  
EN ISO 10140-4 : 2010-12  
EN ISO 10140-5 : 2010-12  
EN ISO 717-2 : 2013-06



(Dr.-Ing. A. Siebel)

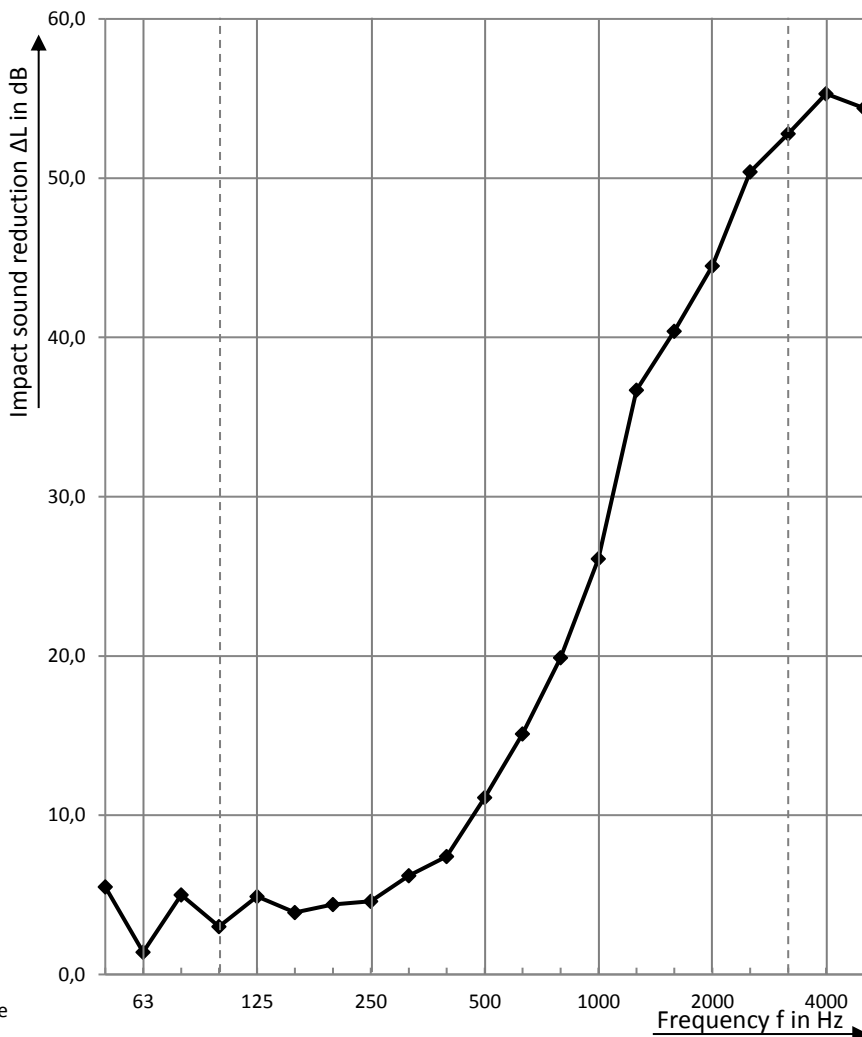
**Number of pages:**  
1 pages and 1 supplement

Measurement of impact sound insulation according to ISO 10140-3 : 2010-12

Laboratory measurement of sound insulation of building elements.

**Product name:** Heat-PaXX traditional  
**Category:** II according to ISO 10140, see annotation  
**Konstruktion:** 2,5 mm PVC (LVT mFLOR) -  
 (from top to bottom) 7 mm Jumpax Basic -  
 1,2 mm Heat-Foil -  
**Reference floor:** solid concrete floor  
**installed by:** applicant  
**Date of test:** 22.11.2013  
**annotations:** weighted down with ca. 23 kg/m<sup>2</sup>, loose laid on the floor besides these it sticks together  
**climate** in the source room in the receiving room  
**air temperature:** 12 °C 19 °C  
**humidity:** 63% 65%

Frequency f [Hz]	L <sub>n,0</sub> third-octave [dB]	ΔL third-octave [dB]
50	56,5	5,5
63	62,7	1,4
80	57,4	5,0
100	57,2	3,0
125	67,5	4,9
160	62,6	3,9
200	64,1	4,4
250	67,1	4,6
315	65,3	6,2
400	64,7	7,4
500	65	11,1
630	65,3	15,1
800	66,4	19,9
1000	67,8	26,1
1250	67,7	36,7
1600	68,2	40,4
2000	68,8	44,5
2500	68,6	50,4
3150	67,9	52,8
4000	66,9	55,3
5000	64,4	54,4



\*Airborne noise correction for the measured value

Calculation according to ISO 717-2:2013-06

ΔL<sub>w</sub> = 20 dB      ΔL<sub>in</sub> = 10 dB  
 C<sub>l,Δ</sub> = -10 dB      C<sub>l,r</sub> = -1 dB      C<sub>l,r,50-2500</sub> = 1 dB

The results are based on tests, which were effected with on artificial source of sound under laboratory conditions. (standard procedure)

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SWA Schall- und Wärmemesststelle Aachen GmbH

Aachen, 01.10.2014

(Dr.-Ing. A. Siebel)