

## Short test report

Measurement of impact sound insulation

**Test report No.:** 143/160

**Applicant** unifloor B.V.  
Munsterstraat 24  
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-  
gebäude · EnEV-Nachweise Nicht-Wohngebäude

**Geschäftsführer:**  
Dr.-Ing. Lothar Siebel  
Dipl.-Ing. Bernd Gebing

Steuer-Nr. 201/5992/3795  
USt.-IdNr. DE123595587

Tel. +49(0)241/970220  
Fax +49(0)241/572956  
info@SWAGmbH.de  
www.SWAGmbH.de

Aachen, 26.05.2014

**Product Name** Underlay System  
Jumpax HD

**Construction** 10 mm Jumpax HD  
(from top to bottom) 2,8 mm Amtico Signature

**Category** II according to ISO 10140, see annotation  
**Testing surface** 10 m<sup>2</sup>  
**Installation** loose laid on the floor  
**Annotations** weighted down with ca. 23 kg/m<sup>2</sup>

### Supplement 1 cf. s measurement results

$\Delta L_w = 25$  dB

$\Delta L_{in} = 14$  dB

$C_{i,\Delta} = -11$  dB

$C_{i,r} = 0$  dB

$C_{i,r,50-2500} = 4$  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.

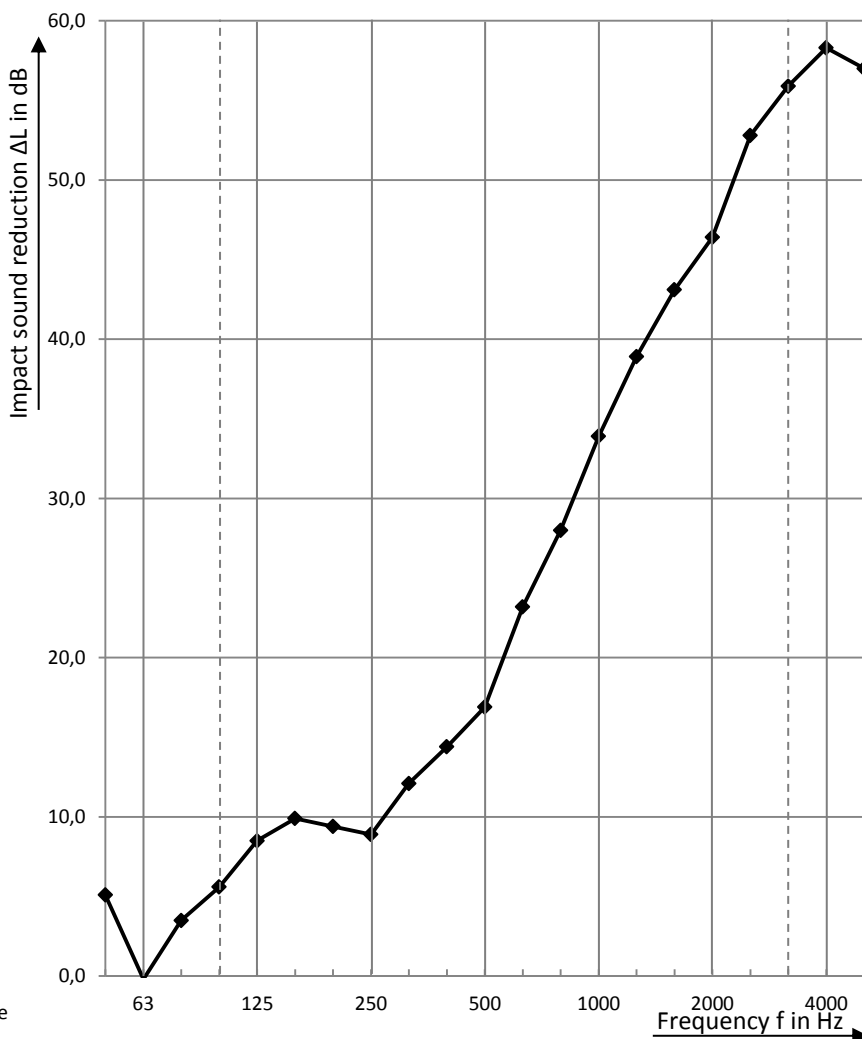
**Product name:** Jumpax HD  
 Category: II according to ISO 10140, see annotation  
 Konstruktion: 10 mm Jumpax HD -  
 (from top to bottom) 2,8 mm Amtico Signature -

Reference floor: solid concrete floor  
 installed by: applicant

Date of test: 31.03.2014  
 annotations: weighted down with ca. 23 kg/m<sup>2</sup>, loose laid on the floor

**climate** in the source room in the receiving room  
 air temperature: 19°C 19 °C  
 humidity: 54% 57%

Frequency f [Hz]	L <sub>n,0</sub> third-octave [dB]	ΔL third-octave [dB]
50	56,5	5,1
63	62,7	-0,2
80	57,4	3,5
100	57,2	5,6
125	67,5	8,5
160	62,6	9,9
200	64,1	9,4
250	67,1	8,9
315	65,3	12,1
400	64,7	14,4
500	65	16,9
630	65,3	23,2
800	66,4	28,0
1000	67,8	33,9
1250	67,7	38,9
1600	68,2	43,1
2000	68,8	46,4
2500	68,6	52,8
3150	67,9	55,9
4000	66,9	58,3
5000	64,4	57,0



\*Airborne noise correction for the measured value

**Calculation according to ISO 717-2:2013-06**

**ΔL<sub>w</sub> = 25 dB      ΔL<sub>in</sub> = 14 dB**  
**C<sub>l,Δ</sub> = -11 dB      C<sub>l,r</sub> = 0 dB      C<sub>l,r,50-2500</sub> = 4 dB**

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

Test report no.: 143/160

**SWA Schall- und Wärmemesstelle Aachen GmbH**

Aachen, 26.05.2014

(Dr.-Ing. A. Siebel)