

**DETERMINING THE REDUCTION OF TRANSMITTED IMPACT NOISE BY FLOOR COVERINGS
ACCORDING TO ISO 10140-3:2010**



principal: Unifloor

construction tested:

| Variant | Underlayer (described from the laboratory floor with PE-foil) | Topfloor |
|---------|---|--------------------------|
| 2 | 6 mm Marathon super | Ambiant Rigid multilayer |



— 1/3 oct.
* 1/1 oct.

volume measuring room: 94 m³

surface area floor: 10 m²

measured at:
Peutz Laboratory for Acoustics

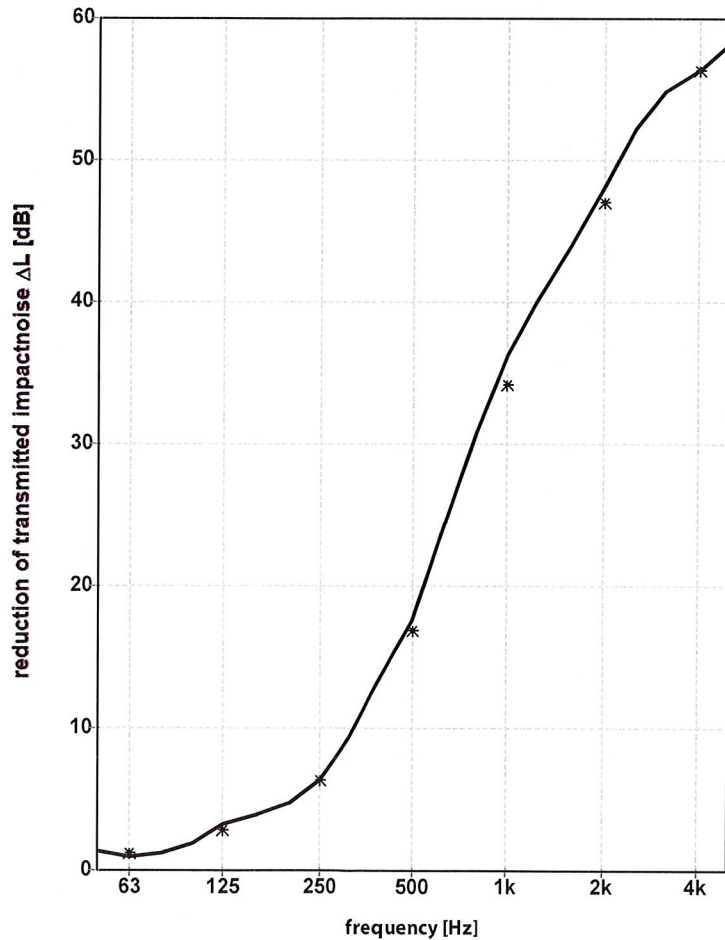
signal: tapping machine

bandwidth: 1/3 octave

ISO 717-2:2013

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

$\Delta L_w = 21 \text{ dB}$



| | | | | | | | |
|----------|-----|-----|-----|------|------|------|----------------|
| | 1,4 | 1,9 | 4,7 | 13,9 | 31,0 | 44,1 | 54,9 |
| 1/3 oct. | 0,9 | 3,2 | 6,3 | 17,7 | 36,2 | 48,1 | 56,4 dB |
| | 1,2 | 3,9 | 9,3 | 24,4 | 40,1 | 52,2 | 58,3 |
| 1/1 oct. | 1,2 | 2,9 | 6,4 | 16,9 | 34,2 | 47,0 | 56,3 dB |

publication is permitted for the entire page only

Mook, 15-02-2019

report A 3606-2E-RA

figure 5