

→ system

Product Data-Sheet

No. 9413 - RV - 03
Edition: Oct 2009

1. Application Sector

DAMTEC® system is the premium insulating padding for concrete or wooden subfloors. It provides outstanding impact sound deadening properties under screed or rigid floor elements. **DAMTEC® system's** special design and granular-textured surface ensure superior acoustic insulation especially in the low frequency range, the most difficult part of impact sound insulation. **DAMTEC® system** is ideal for use on wooden subfloors in combination with flooring of various types, generating high market demand particularly in the refurbishment sector.

2. Material

Two-layer compound with rubber granules and rubber mat with PU elastomer bonding agent

3. Appearance

colour:	black
upper side:	open granules
lower side	smooth with fine granular texture

4. Dimensions/Tolerances

width:	1,000mm ± 1.5 %
length:	10,000mm ± 1.5 %
thickness:	approx. 6mm
area weight:	approx. 3.1kg/m ²

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5. Physical Characteristics

tensile strength:	approx. 0.6N/mm ²	(EN ISO 1798)
elongation at break:	approx. 40%	(EN ISO 1798)
impact sound improvement:	$\Delta L_W = 23\text{dB}$ 1-layer under screed $\Delta L_W = 26\text{dB}$ 2-layer under screed $\Delta L_W = 21\text{dB}$, $\Delta L_{in} = 10\text{dB}$ 2-layer with 22mm solid oak	(EN ISO 140-8)
impact sound level:	$L_{n,w} = 42\text{dB}$ on wooden floor	(EN ISO 140-7)
max. steady load:	0.05 N/mm ²	(EN 826)
dynamic stiffness:	< 15 MN/m ³	(EN 29052)
heat transmission coefficient:	0.07m ² K/W (one layer)	(DIN 52612)
heat transfer coefficient:	14 W/m ² K (one layer)	
heat conductivity:	0.09 W/mK	

DAMTEC® system meets the demands of AgBB scheme and is suitable for use in interior of buildings. (test report no. 155033, ihd Dresden)

6. Installation

Construction and installation is to be carried out in accordance with the **DAMTEC® system** technical information.

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