

## 1. Application Sector

**DAMTEC® system** is the absolute premium solution when it comes to sound insulation on wooden structures. Under floating floors the soundproofing is regulated by the European Technical Approval, which has been granted by DIBt, the German Center of Competence in Civil Engineering.

Unique is their behavior in the low frequency range, the most difficult part of impact sound insulation. This is generated by the special design and granular-textured surface. It is ideal for use on wooden subfloors that make the highest requirements for impact sound products. Especially for the renovation of old buildings **DAMTEC® system** has proven.



## 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:	1,000 mm	± 1.5 %
length:	10,000 mm	± 1.5 %
available thickness:	approx. 6 mm	
area weight:	2,6 - 3,6 kg/m <sup>2</sup>	

## 5. Physical Characteristics

tensile strength:	approx. 0.6 N/mm <sup>2</sup>	(ISO 1798)
elongation at break:	approx. 40%	(ISO 1798)
service temperature range:	- 30°C to 80°C	
flammability rating:	E <sub>fl</sub>	(ISO 11925/EN 13501)
dynamic stiffness:	< 35 MN/m <sup>3</sup> (with one layer)	(EN 29052)
	< 20 MN/m <sup>3</sup> (with two layer)	
max. pressure:	0.05 N/mm <sup>2</sup>	(in acc. EN 826)
heat transmission coefficient:	0.07 m <sup>2</sup> K/W (with one layer)	(DIN 52612)
heat transfer coefficient:	14 W/m <sup>2</sup> K (with one layer)	
heat conductivity:	0.09 W/mK	
impact sound improvement:		(ISO 140-8/ISO 717-2)
	$\Delta L_W > 21\text{dB}$ (one layer under screed)	
	$\Delta L_W = 26\text{dB}$ (two layer under screed)	
	$\Delta L_W = 21\text{dB}$ , $L_{in} = 10\text{dB}$ 2-layer with 22mm solid oak	
impact sound level:	$L_{n,w} = 42\text{dB}$ on wooden floor (ISO 140-7/ISO 717-2)	

**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.

### DISCLAIMER:

The information provided is intended only as a summary and general overview on matters of interest. The information is not intended to be comprehensive nor does it constitute expert advice. KRAIBURG RELASTEC shall not be liable for incidental and/or consequential damages directly or indirectly sustained, nor any loss caused by not complying with relevant industry/product standards and improper use of any Damtec® products. Due to varying construction methods, any other circumstances not stated above should be brought to the attention of KRAIBURG RELASTEC for review. For suitability to the prevailing site conditions, it is advised that certified testing should be conducted. It is recommended to seek further advice on your application with our technical staff prior to use.