

→ 3D - impact sound insulation

Product Data-Sheet

No. 9438 - R - 02
Edition: Oct. 2009

1. Application Sector

DAMTEC® 3D is the ideal rubber underlay in floating screed systems. With quick and easy installation and its extremely high resistance to compressive loads and outstanding elasticity, **DAMTEC® 3D** is equally well suited for applications in residential, office and commercial buildings. **DAMTEC® 3D** is available in different profiles.

2. Material

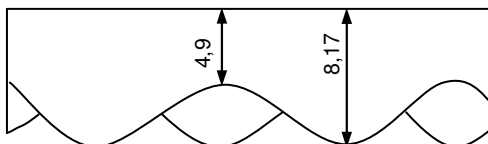
High-grade granules of recycled rubber with PU elastomer bonding agent.

3. Appearance

colour: black
surface: granular texture, with profile on one side

4. Dimensions/Tolerances

width: 800 mm +/- 1.5 %
length: 12500 mm +/- 1.5 %
thickness: 8/4mm and 17/9 mm +/- 1.0 mm
density: approx. 650 - 750 kg/m³
profile:



5. Physical Characteristics

tensile strength: approx. 0.3 N/mm² (EN ISO 1798)
elongation at break: approx. 45% (EN ISO 1798)
service temperature range: -40°C to +80°C
flammability rating: E_{fl} (EN 13501-1)
dynamic stiffness: 8/4 approx. 30 MN/m³ (EN 29052)
17/9 approx. 17 MN/m³ (EN 29052)
maximum load: 0.1 N/mm² (EN 826)

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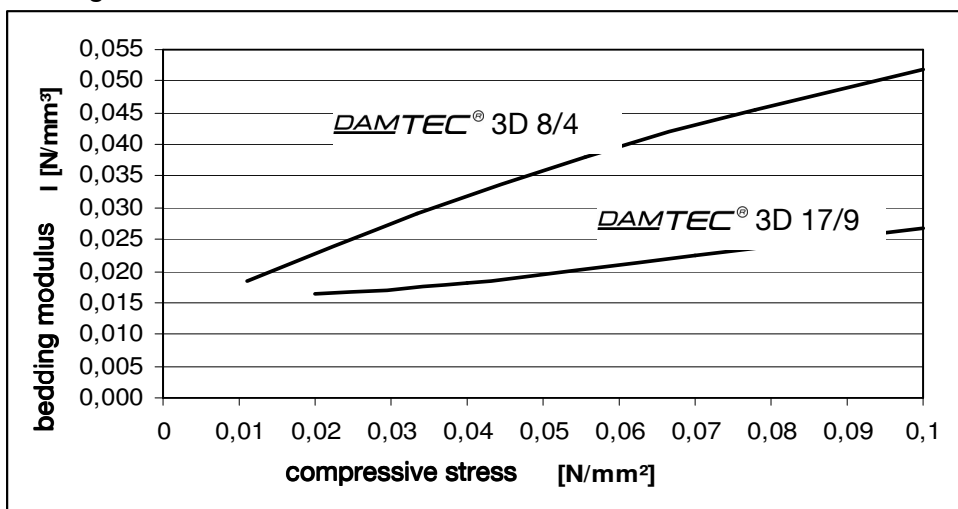
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5. Physical Characteristics

impact sound improvement: $\Delta L_W = 19\text{dB}$	8/4 with 55mm screed	(EN ISO 140-8)
$\Delta L_W = 20\text{dB}$	8/4 with screed and tiles	
$\Delta L_W = 22\text{dB}$	17/9 with 55mm screed	
$\Delta L_W = 25\text{dB}$	17/9 with 90mm screed	
$\Delta L_W = 26\text{dB}$	17/9 with screed and tiles	

bedding modulus:



6. Installation

Installation is to be carried out in accordance with the **DAMTEC® 3D** installation instructions.

DISCLAIMER:

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