

## → 3D - impact sound insulation

## Product Data-Sheet

No. 9438 - R - 04

Edition: Jan 2011

### 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

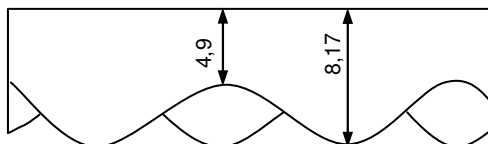
High-grade granules of recycled rubber with PU elastomer bonding agent.

### 3. Appearance

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

### 4. Dimensions/Tolerances

width: 800 mm +/- 1.5 %  
length: 12.5m (17/9), 15m (8/4) +/- 1.5 %  
thickness: 8/4mm and 17/9 mm - 1.0 mm  
density: approx. 650 - 750 kg/m<sup>3</sup>  
profile:



### 5. Physical Characteristics

tensile strength: approx. 0.3 N/mm<sup>2</sup> (ISO 1798)  
elongation at break: approx. 45% (ISO 1798)  
service temperature range: -40°C to +80°C  
flammability rating: E<sub>fl</sub> (EN 13501-1)  
dynamic stiffness: 8/4 approx. 30 MN/m<sup>3</sup> (EN 29052)  
17/9 approx. 17 MN/m<sup>3</sup> (EN 29052)  
maximum load: 0.1 N/mm<sup>2</sup> (EN 826)

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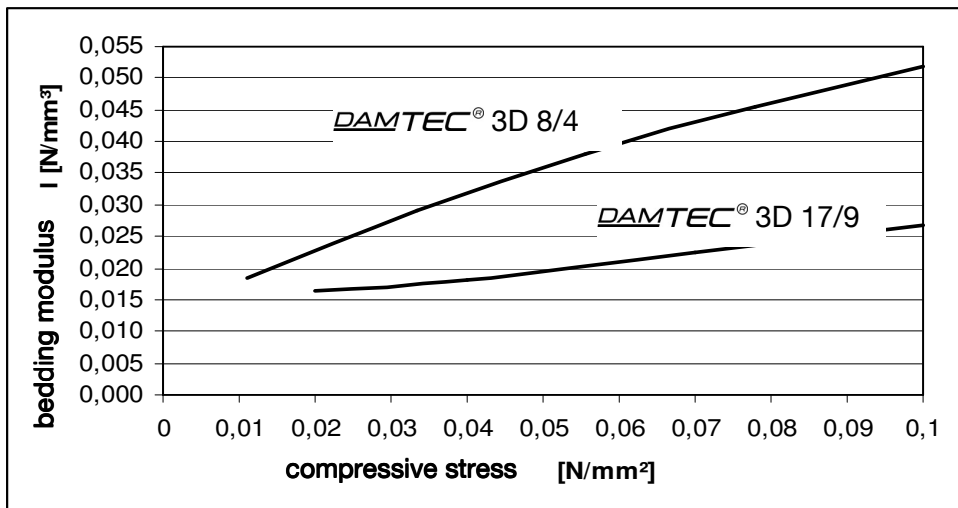
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#### 5. Physical Characteristics

impact sound improvement: $\Delta L_W = 19\text{dB}$	8/4 with 55mm screed	(ISO 140-8)
$\Delta L_W = 21\text{dB}$	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.

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