

## → ceramic / ceramic plus

### Product Data-Sheet

No. 9407 - RV - 03

Edition: Jan 2011

#### 1. Application Sector

**DAMTEC® ceramic plus** is an impact sound and a decoupling underlay with two-layered structure for stoneware and ceramic tiles. Pure rubber granulates with additional fleece lamination makes an optimal transverse extension behaviour possible.

**DAMTEC® ceramic** is a decoupling course from pure rubber granulates. It decouples reliably the floor structure of tile floors and stoneware and prevents thereby cracking.

**DAMTEC® ceramic** and **DAMTEC® ceramic plus** are highly loadable and well suitable for wet rooms under stoneware and ceramic tiles.

#### 2. Material

##### **DAMTEC® ceramic:**

Granules of recycled rubber with PU elastomer bonding agent

##### **DAMTEC® ceramic plus:**

top surface: Granules of recycled rubber with PU elastomer bonding agent

lower surface: 100% PET recycling fibres, mechanically ennobles

#### 3. Appearance

colour: black (**DAMTEC® ceramic**), multicoloured (fleece)

surface: granular texture (**DAMTEC® ceramic**)  
fibrous structure (fleece)

#### 4. Dimensions/Tolerances

	<b>DAMTEC® ceramic:</b>	<b>DAMTEC® ceramic plus:</b>
width:	1,250mm ± 1.5 %	1,000mm ± 1.5%
length:	on request ± 1.5%	10,000mm ± 1.5%
available thickness:	3, 4, 5, 6mm ± 0.3mm	5.5mm ± 0.3mm
density:	790 - 890kg/m <sup>3</sup>	
area weight:	approx. 840g/(m <sup>2</sup> mm)	approx. 3,180g/m <sup>2</sup>

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### 5. Physical Characteristics

tensile strength (ISO 1798):	<b>ceramic:</b> approx. 0.6 N/mm <sup>2</sup>	<b>ceramic plus:</b> approx. 1.3N/mm <sup>2</sup>
elongation at break (ISO 1798):	approx. 40%	approx. 50%
service temperature range:	- 30°C to 80°C	- 30°C to 80°C
heat transmission coef. (DIN 52612):	3mm = 0.03 m <sup>2</sup> K/W	0.05 m <sup>2</sup> K/W
flammability rating (EN 13501-1):	E <sub>fl</sub>	E <sub>fl</sub>
impact sound improve (ISO 140-8):		ΔL <sub>w</sub> = 16dB

### 6. Installation

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

Castor chair behaviour and residual indentation after static loading of the flooring can change in accordance with the insulating underlay used.

Only use underlay approved by the floor manufacturer.

Prior to any installation work, carefully read and observe the usage instructions and processing guidelines of the adhesive cement and floor finish manufacturers.

In case of doubt, please contact the manufacturer's applications engineering department for advice.

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