

DAMTEC® wave 3D is a mat with granules of foamed polyurethane with profile for impact sound insulation and for absorption of vibrations and structure borne noise. It can be used for different applications like under floating screed or under machine foundations.

Product design

| | |
|-------------|--|
| Material: | high-grade granules of polyurethane foam with PU elastomer bonding agent. |
| Colour: | beige/brown/black (Change in colour due to sunlight. This has no influence on quality and technical values given below) |
| Surface: | granular texture |
| Lower side: | profiled |

Dimensions / Tolerances / Weight

| | |
|--------------|---|
| Roll width: | 1,250 mm (± 1.5 %) |
| Roll length: | 8,000 mm (± 1.5 %) |
| Thickness: | 8/4 mm (± 1.0 mm) 17/8 mm (± 1.0 mm) |
| Area weight: | 1.50 - 2.80 kg/m ² (8/4) 3.45 - 5.40 kg/m ² (17/8) |



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Product Testing

| | |
|--------------------------------|---|
| Tensile strength: | (EN ISO 1798) 0.15 - 0.55 N/mm ² |
| Elongation at break: | (EN ISO 1798) 30 - 70 % |
| Density: | 300 - 400 kg/m ³ |
| Temperature range: | -30° to 80°C |
| Heat transmission coefficient: | (EN 12667) 0.275 m ² K/W (17/8) |
| Flammability rating: | (EN 13501-1) E _{fl} |
| Compressive stress: | (DIN EN 826) > 5 kPa |
| Compressibility: | (DIN EN 12431) < 2 mm (17/8) < 1 mm (8/4) |
| Dynamic stiffness: | (EN 29052) < 7 MN/m ³ (17/8) < 18 MN/m ³ (8/4) |
| Maximum pressure: | (EN 826) 0.03 N/mm ² |
| Impact sound improvement: | (ISO 140-8) $\Delta L_w = 35$ dB, 17/8 - 80mm screed $\Delta L_w = 32$ dB, 17/8 - 50mm screed $\Delta L_w = 30$ dB, 8/4 - 80mm screed $\Delta L_w = 25$ dB, 8/4 - 50mm screed |

VOC Emissions:



Emissions:

fulfils the requirements of AgBB scheme



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Installation

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

Other

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.



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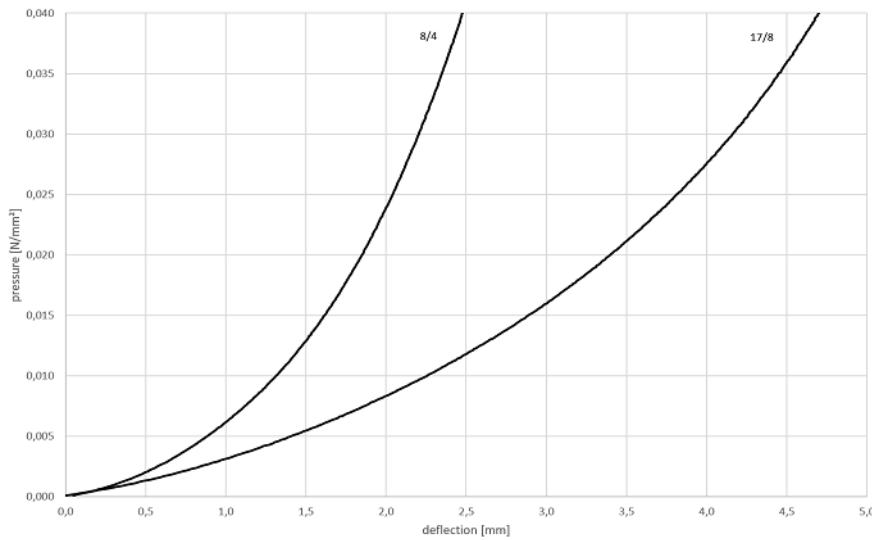
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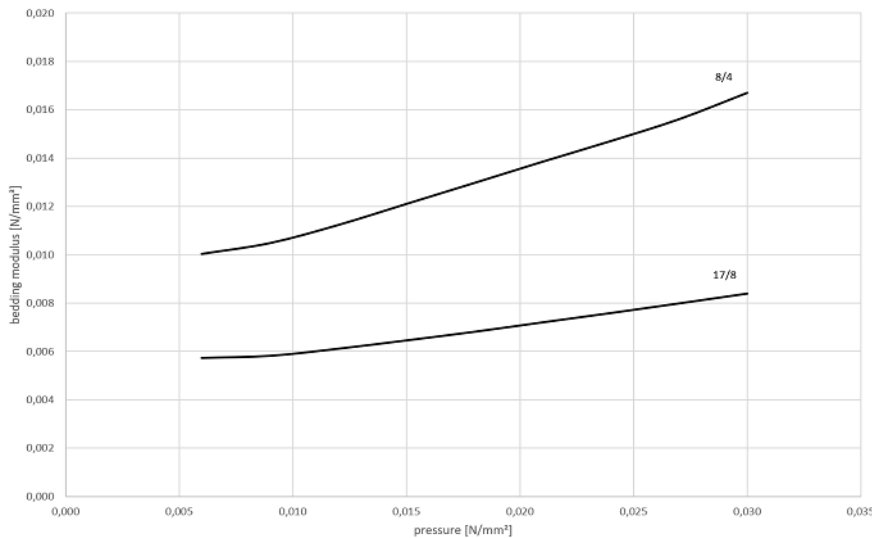
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Measurement diagrams

Spring Characteristic:



bedding modulus:



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