

## 1. Application Sector

**DAMTEC® color 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.

## 2. Material

High-grade polyurethane foam with PU elastomer bonding agent.

## 3. Appearance

colour: beige/brown/multicoloured  
(Change in colour due to sunlight. This has no influence on quality and technical values given below)

surface: granular texture, with profile on one side

## 4. Dimensions/Tolerances

width:	1,250 mm	(W3 - EN 16069)
length:	8,000 mm	(L1 - EN 16069)
thickness:	8/4, 10/5, 15/7, 17/8	(± 1.0 mm)

## 5. Physical Characteristics

density:	320 - 420 kg/m <sup>3</sup>		
area weight:	3.60 - 5.70 kg/m <sup>2</sup>	(17/8)	(EN 1602)
	3.20 - 5.10 kg/m <sup>2</sup>	(15/7)	
	1.60 - 3.00 kg/m <sup>2</sup>	(8/4)	
tensile strength:	0.15 - 0.65 N/mm <sup>2</sup>		(EN ISO 1798)
elongation at break:	30% - 60%		(EN ISO 1798)
service temperature range:	- 30°C to 80°C		
flammability rating:	E		(EN 13501-1)
maximum pressure:	0,03 N/mm <sup>2</sup>		(Anlehnung EN 826)
compressive stress at 10%:	> 4,0 kPa	(17/8)	(EN 826)
	> 4,5 kPa	(15/7)	
	> 5,0 kPa	(8/4)	
	< 1,4 mm	(17/8)	(DIN EN 12431)
compressibility:	< 1,2 mm	(15/7)	
	< 0,7 mm	(8/4)	
	8 MN/m <sup>3</sup>	(17/8)	(EN 29052)
dynamic stiffness:	8 MN/m <sup>3</sup>	(15/7)	
	17 MN/m <sup>3</sup>	(8/4)	
	impact sound improvement:	$\Delta L_W = 33$ dB, 70mm screed	(17/8)
$\Delta L_W = 33$ dB, 70mm screed		(15/7)	
$\Delta L_W = 29$ dB, 70mm screed		(8/4)	

## 6. Installation:

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

### DISCLAIMER:

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