



**TECHNICAL DATA SHEET  
MAAD MF 10 HYDRO**

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<b>Basis:</b>	Melamine resinous foam
<b>Application:</b>	<b>Melamine Foam</b> is ideally suitable for sound absorption
<b>Characteristics:</b>	<b>Melamine Foam</b> based on melamine resin is a highly effective product as sound absorption material. Very good absorption results are obtained within a large frequency spectrum. Because of its structure, it is at the same time an excellent thermal insulation product.

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<b>Colour:</b>	Grey (colour differences may act )
<b>Density:</b>	8,0 – 11,00 kg/m <sup>3</sup>
<b>Pressure strength BASF test method :</b>	>45 N
<b>Heat conductance 10 °C :</b>	<0,035 W/mK
<b>Sound absorption DIN 52125 d=50 mm, 2000Hz:</b>	>90 %
<b>Pressure tension 10% compression deflexion:</b>	5-20 kPa
<b>Tensile Strength DIN 53571:</b>	>120 kPa
<b>Elongation at Break DIN 53571:</b>	>10%
<b>Compression Load Deflection 40% DIN 53577 :</b>	7-20 kPa
<b>Copression Set DIN 53572 50 % /23 °C / 72 h:</b>	10-30 %
<b>Copression Set DIN 53572 50 % /23 °C / 22 h:</b>	10-20 %



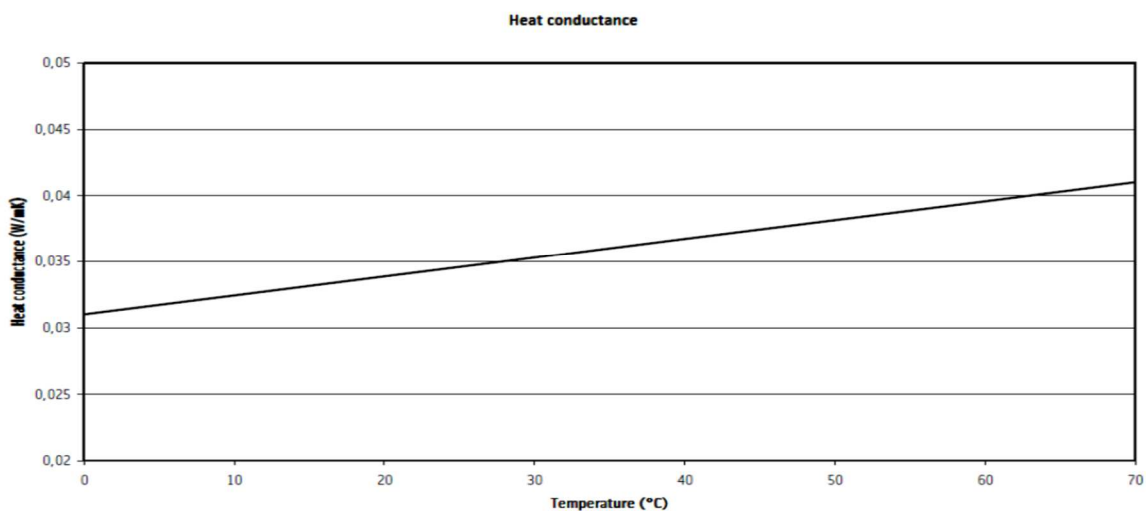
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Diffusion resistance factor U DIN 52615 :	abt. 2
Longitudinal resistance DIN 52213:	10-20 kN/m <sup>4</sup>
Permanent intended Application temperature:	Max. 150°C
Flexible behaviour:	fulfilled
Flammability:	
DIN 5510-2 :	S4; SR 2; ST 2
EN 45545-2 :	HL 3, R1
UL 94 :	94 V-0 +94 HF -1
NF P 92-501 :	M1
FAR 25.853 :	(a)fulfilled
ASTM E 662-83 :	fulfilled

**IMPORTANT :**

The foam has structural cells of variable sizes. The upper limit of max. 10 cells per m<sup>2</sup> in the field of Ø 5-15 mm can occur on the cutting area.

**HEAT CONDUCTANCE**





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**SOUND ABSORPTION DIN 52212**

Degree of sound absorption ( $\alpha_s$ ) to DIN 52212						
	125	250	500	1000	2000	4000
30 mm	0,12	0,31	0,66	0,86	0,87	0,92
40 mm	0,12	0,44	0,87	0,96	0,97	0,97
50 mm	0,16	0,56	0,96	1,00	1,00	1,00
80 mm	0,31	1,00	1,00	1,00	1,00	1,00

