

# MAAD MF 10



### Description

Flexible, extremely opened cell foam based on melamine resin. The unique material structure characterizes mainly by:

- unusually low weight (about 9 kg/m<sup>3</sup>)
- a high level of sound absorption (to 90%)
- excellent heat-conductivity
- the possibility of use at temperatures of (-200 ° C to 240 ° C)
- certified non-flammability

### Application

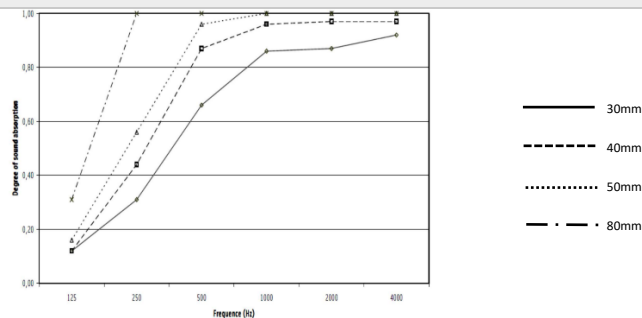


### TECHNICAL PARAMETERS:

<b>DENSITY</b>	EN ISO 845 EN 45545-2 DIN 5510-2 UL 94	8-10 kg/m <sup>3</sup> fulfilled the recommendations R1 - HL 2 fulfilled the recommendations S4; SR 2; ST 2 94 V-0 +94 HF -1
<b>FIRE PERFORMANCE</b>	NF P 92-501 ASTM E 662 FAR 25.853 PN-K-02511:2000	M1 fulfilled the recommendations fulfilled the recommendations fulfilled
<b>THERMAL CONDUCTIVITY λ: At +10°C</b>		<0,035 W/mK

### SOUND ABSORPTION

DIN52212



## TECHNICAL DATA SHEET

### STANDARD DIMENSIONS OF THE MATERIAL:

THICKNESS** [mm]	DIMENSIONAL TOLERANCES [mm]	DIMENSIONS OF THE SHEET ** [mm]
3-80 mm	± 1	2100 x 1250
		2500 x 1250

There is a possibility of cutting to size in accordance with your specifications or drawing.

\*Other thicknesses / dimensions available on customer's request. Effective dimensions guaranteed as ordered.

### OPTIONS\*\*\*:

<b>Maad MF 10</b>	without a self-adhesive layer
<b>Maad MF 10, SK</b>	with a self-adhesive
<b>Maad MF 10, SK-M</b>	with a self-adhesive with a mesh layer

\*\*\* Other composites available on customer's request.

In the case of material with adhesive layer, storage at a temperature of +15 to +30 °C

### ADDITIONAL TECHNICAL PARAMETERS:

<b>COMPRESSION DEFLEXION:</b>		
At 10%	DIN 53421	5 - 20 kPa
At 40%	DIN 53577	7 - 20 kPa
<b>PRESSURE STRENGTH</b>	-	> 45 kN
<b>TENSILE STRENGTH</b>	DIN 53571	> 120 kN
<b>ELONGATION AT BREAK</b>	DIN 53571	>10%
<b>COMPRESSION SET</b>	DIN 53572	10-20 %
	50 % /23 °C / 22 h	
	DIN 53572	10-30 %
50 % /23 °C / 72 h		
<b>DIFFUSION RESISTANCE FACTOR <math>\mu</math>:</b>	DIN 52615	abt. 2
<b>LONGITUDINAL RESISTANCE</b>	DIN 52213	10-20 kN/m <sup>4</sup>
<b>FLASH-POINT</b>	ASTM D1929	>580°C
<b>DECOMPOSITION TEMPERATURE</b>	-	>350°C
<b>PERMANENT INTENDED APPLICATION TEMPERATURE</b>	-	Max. 150°C
<b>FLEXIBLE BEHAVIOUR</b>	-	fulfilled
<b>SOUND ABSORPTION</b> d=50 mm/2000Hz ****	ISO 10543	>90%

\*\*\*\* data measured for a thickness of 50 mm, test for other thicknesses on customer's request