



# MAAD MF 10 HYDRO PROTECT

### Descripton

Flexible sound-absorbing melamine resin foam in special hydrophobic version. The foam has been created for problem spots exposed to moisture and fluids

### Application

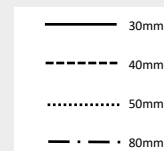
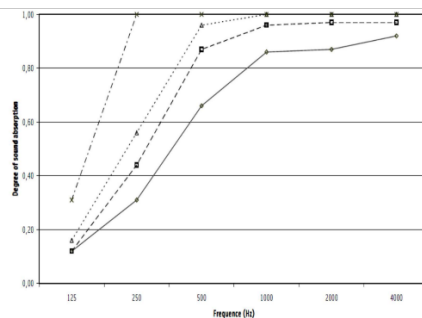


### TECHNICAL PARAMETERS:

<b>DENSITY</b>	EN ISO 845	8-10 kg/m <sup>3</sup>
<b>HYDROPHOBICITY - CONTACT ANGLE</b>	Rame – Hart Goniometer Model. 1 90 – U1	127°
<b>FIRE PERFORMANCE</b>	EN 45545-2 ECE R 118	fulfilled the recommendations R1 - HL 3 fulfilled the recommendations Annex 6,7,8
<b>HEAT CONDUCTANCE * At +10°C</b>	DIN EN12667 d=50 mm	<0,033 W/mK

### SOUND ABSORPTION

DIN52212



### STANDARD DIMENSIONS OF THE MATERIAL:

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

## TECHNICAL DATA SHEET

### OPTIONS\*\*\*:

<b>Maad MF 10 HYDRO PROTECT</b>	without a self-adhesive layer
<b>Maad MF 10 HYDRO PROTECT, 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

### IMPORTANT :

Despite the hydrophobic properties MAAD MF 10 HYDRO PROTECT is not for outside use or when subjected to weather conditions. Manufacturing related colour variations can occur. Up to 10 pores per m<sup>2</sup> with a diameter of between 5 and 15 mm can occur per m<sup>2</sup> and do not give cause for complaint.

### ADDITIONAL TECHNICAL PARAMETERS:

<b>COMPRESSION DEFLEXION:</b>		
<b>At 10%</b>	DIN 53421	5 - 20 kPa
<b>At 40%</b>	DIN 53577	7 - 20 kPa
<b>PRESSURE STRENGTH</b>	Test method by BASF	> 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 μ:</b>	DIN 52615	abt. 2
<b>SOUND ABSORPTION:</b> d=50 mm/2000Hz ****	ISO 10543	>90%
<b>LONGITUDINAL RESISTANCE</b>	DIN 52213	10-20 kN/m <sup>4</sup>
<b>MIN. MAX. WORK TEMPERATURE</b>	-	-150 ÷ +240°C
<b>PERMANENT INTENDED APPLICATION TEMPERATURE</b>	-	Max. 150°C
<b>STORAGE TIME</b>	-	9 month *****

\*\*\*\* data measured for a thickness of 50 mm, test for other thicknesses on customer's request  
\*\*\*\*\* Originally packed (or equivalent), 5-30 °C, dry, protected from UV and weather