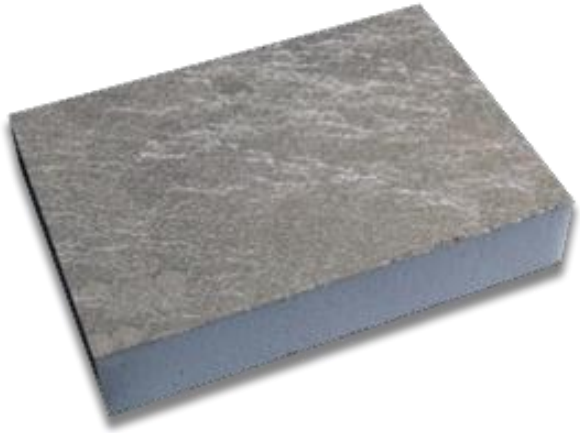
TECHNICAL DATA SHEET



MAAD MF 10 ALU

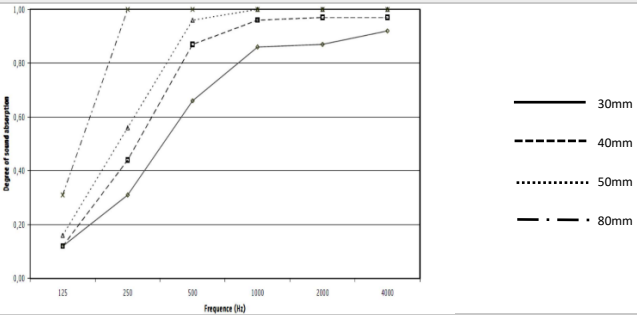
Descripton

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

Application

HL3 EN 45545-2+A1

TECHNICAL PARAMETERS:

DENSITY	EN ISO 845	8-10 kg/m³
FIRE PERFORMANCE	EN 45545-2	fulfilled the recommendations R1 - HL 3
	DIN 5510-2	fulfilled the recommendations S4; SR 2; ST 2
	UL 94	94 V-0 +94 HF -1
	NF P 92-501	M1
	ASTM E 662	fulfilled the recommendations
	FAR 25.853	fulfilled the recommendations
	PN-K-02511:2000	fulfilled
THERMAL CONDUCTIVITY λ: At +10°C		<0,035 W/mK
SOUND ABSORPTION	DIN52212	

STANDARD DIMENSIONS OF THE MATERIAL:

THICKNESS** [mm]	DIMENSIONAL TOLERANCES [mm]	DIMENSIONS OF THE SHEET ** [mm]
10, 20, 30, 40, 50, 100	± 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.

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Maad

TECHNICAL DATA SHEET

OPTIONS***:	
Maad MF 10 ALU	without a self-adhesive layer
Maad MF 10 ALU, SK	With a self-adhesive
Maad MF 10 ALU, SK-M	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:		
COMPRESSION DEFLEXION: **At 10%** **At 40%**	 DIN 53421 DIN 53577	 5 - 20 kPa 7 - 20 kPa
PRESSURE STRENGHT	Test method by BASF	> 45 kN
TENSILE STRENGHT	DIN 53571	> 120 kN
ELONGATION AT BREAK	DIN 53571	>10%
COPRESSION SET	DIN 53572 50 % /23 °C / 22 h DIN 53572 50 % /23 °C / 72 h	10-20 % 10-30 %
DIFFUSION RESISTANCE FACTOR µ:	DIN 52615	abt. 2
SOUND ABSORPTION: **d=50 mm/2000Hz ******	ISO 10543	>90%
LONGITUDINAL RESISTANCE	DIN 52213	10-20 kN/m^4
FLEXIBLE BEHAVIOUR	-	fulfilled
PERMANENT INTENDED APPLICATION TEMPERATURE	-	Max. 150°C
FLASH-POINT	ASTM D1929	>580°C
DECOMPOSITION TEMPERATURE	-	>350°C

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

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