

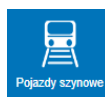


MAAD MF 10 ALU

Description

Melamine Foam based on melamineresin is a highly effective product as sound absorption material. Very good absorption results are obtained within a large frequency spectrum. Because of it's structure, it is at the same time an excellent thermal insulation product.

Application



TECHNICAL PARAMETERS

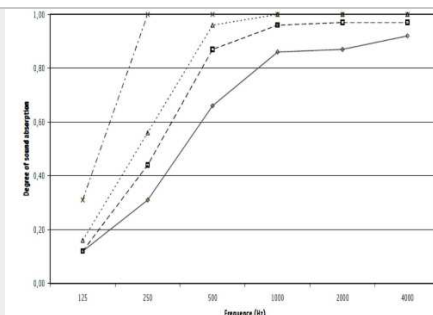
FIRE PERFORMANCE	EN 45545-2 DIN 5510-2	fulfilled the recommendations R1 - HL 3 fulfilled the recommendations S4; SR 2; ST 2
	UL 94 NF P 92-501 ASTM E 662 FAR 25.853 PN-K-02511:2000	94 V-0 +94 HF -1 M1 fulfilled the recommendations fulfilled the recommendations fulfilled

THERMAL CONDUCTIVITY λ :
At +10°C

<0,035 W/mK

SOUND ABSORPTION

DIN52212



DENSITY

8-11 kg/m³ ± 1 kg/m³

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.

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.

ADDITIONAL TECHNICAL PARAMETERS

COMPRESSION DEFLEXION:

At 10%

DIN 53421

5 - 20 kPa

At 40%

DIN 53577

7 - 20 kPa

PRESSURE STRENGTH

-

> 45 kN

TENSILE STRENGTH

DIN 53571

> 120 kN

ELONGATION AT BREAK

DIN 53571

>10%

COMPRESSION 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

LONGITUDINAL RESISTANCE

DIN 52213

10-20 kN/m⁴

FLASH-POINT

ASTM D1929

>580°C

DECOMPOSITION

TEMPERATURE

-

>350°C

PERMANENT INTENDED

APPLICATION TEMPERATURE

-

Max. 150°C

FLEXIBLE BEHAVIOUR

-

fulfilled

SOUND ABSORPTION

d=50 mm/2000Hz

ISO 10543

>90%