



MAAD MF 10



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 its structure, it is at the same time an excellent thermal insulation product.

Application



TECHNICAL PARAMETERS

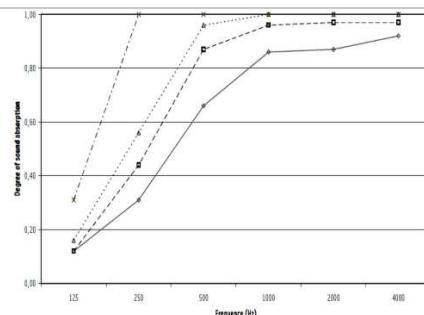
FIRE PERFORMANCE	EN 45545-2 DIN 5510-2	fulfilled the recommendations R1 - HL 2 fulfilled the recommendations S4; SR 2; ST 2
	UL 94 NF P 92-501 ASTM E 662 FAR 25.853 PN-K-02511:2000	94 V-0 +94 HF -1 M1 fulfilled the recommendations fulfilled the recommendations fulfilled

THERMAL CONDUCTIVITY λ :
At +10°C

<0,035 W/mK

SOUND ABSORPTION

DIN52212



8-11 kg/m³ ± 1 kg/m³

DENSITY

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	without a self-adhesive layer
Maad MF 10, SK	with a self-adhesive
Maad MF 10, 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	10-20 %
	50 % /23 °C / 22 h	
	DIN 53572	10-30 %
50 % /23 °C / 72 h		
DIFFUSION RESISTANCE FACTOR μ:	DIN 52615	abt. 2
LONGITUDINAL RESISTANCE	DIN 52213	10-20 kN/m ⁴
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%