Maad

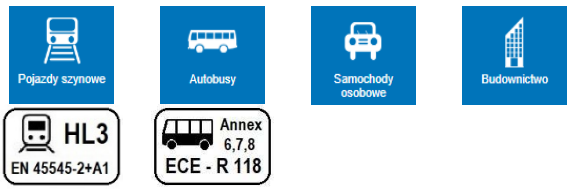
TECHNICAL DATA SHEET

MAAD MF 10 HYDRO PROTECT

Descripton

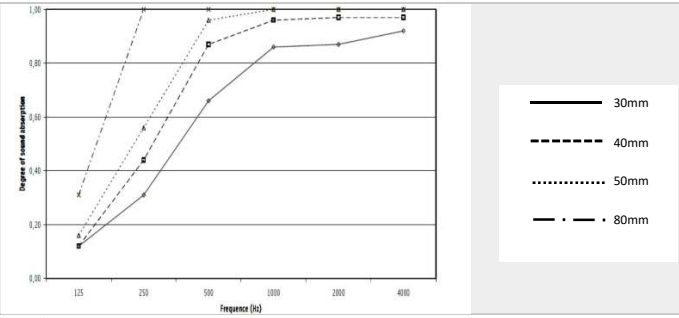
MAAD MF 10 HYDRO PROTECT based on melaminę resin foam is a highly effective product. Very good sound absorption results are obtained within a large frequency spectrum, very good thermal and now also hydrophobic properties cause it's excellent thermal insulation product.

Application



TECHNICAL PARAMETERS

DENSITY	EN ISO 845	9-11 kg/m³
HYDROPHOBICITY - CONTACT ANGLE	Rame – Hart Goniometer Model. 1 90 – U1	127°
FIRE PERFORMANCE	EN 45545-2 ECE R 118	fulfilled the recommendations R1 - HL 3 fulfilled the recommendations Annex 6,7,8
HEAT CONDUCTANCE * At +10°C	DIN EN12667 d=50 mm	<0,033 W/mK
SOUND ABSORPTION	DIN52212	



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

STANDARD DIMENSIONS OF THE MATERIAL

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

OPTIONS***

Maad MF 10 HYDRO PROTECT	without a self-adhesive layer
Maad MF 10 HYDRO PROTECT, SK-M	with a self-adhesive with a mesh layer

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

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 m² with a diameter of between 5 and 15 mm can occur per m² and do not give cause for complaint.

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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
MIN. MAX. WORK TEMPERATURE	-	-150 ÷ +240°C
PERMANENT INTENDED APPLICATION TEMPERATURE	-	Max. 150°C

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