

## MAAD HYDROFIBER 15-25 ALU



### Descripton

Thermally insulating material and sound absorber made of 100 % polyester fiber with hydrophobic properties

### Application



### TECHNICAL PARAMETERS:

<b>DENSITY</b>	-	20 kg/m <sup>3</sup> (±10 %) other available density: 15, 18, 25 kg/m <sup>3</sup>
<b>FIRE PERFORMANCE</b>	EN 45545-2 ECE-R 118 Annex 6 UNI 9175 GOST 12.1.044-89 point 4.19	fulfilled the recommendations R1 – HL1, HL2, HL 3 fulfilled the recommendations fulfilled the recommendations the class 1IM index of flame spread - I=0
<b>SOUND ABSORPTION</b>	UNI EN 354	<p style="text-align: center;">RANDOM INCIDENCE SOUND ABSORPTION</p> <p style="text-align: center;">Alpha Cabin</p> <p style="text-align: center;">Test Chamber 15,85 m<sup>3</sup>, sample 120x100 cm placed on the floor (UNI EN 354:2003).</p>
<b>THERMAL CONDUCTIVITY λ</b>	UNI EN 12667	<b>0,035 W/mK</b>
<b>TEMPERATURE RANGE</b>	BS 4443/1 Met.4	- 40 and +90 °C
<b>FUNGAL RESISTANCE</b>	ASTM G21	meets test requirements
<b>RESISTANCE FOR HARMFUL SUBSTANCES</b>	Oeko Tex Standard 100	fulfilled the recommendations

## TECHNICAL DATA SHEET

<b>HYDROPHOBIC PROPERTIES</b>	-	water drop test > 48 h water absorption by capillary (after 48 h) < 1 mm
<b>TENSILE STRENGTH PEAK</b>	ASTM D3575-08 T ISO 1978	140 KPa
<b>TENSILE ELONGATION</b>	ASTM D3575-08 T ISO 1978	50%

### STANDARD DIMENSIONS OF THE MATERIAL:

THICKNESS** [mm]	DIMENSIONAL TOLERANCES [mm]	DIMENSIONS OF THE SHEET ** [mm]
10 - 80	± 1	1000 x 2000

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\*\*\*:

<b>Maad HYDROFIBER ALU</b>	without a self-adhesive layer
<b>Maad HYDROFIBER ALU, 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