

## Sound absorbing panels - Sound insulation value 39 dB

### Panels Aluminium/HDF

<b>Construction:</b>	1,5 mm Aluminium	(EN AW-1050A-GSB approved powder coating of aluminium surface)
	Insulation - Polystyrene	( Appr. 33 kg/m <sup>3</sup> - heat conductivity: 0,035 W/mK )
	9 mm Bitumen (BF43)	( Appr. 1850 kg/m <sup>3</sup> - heat conductivity: Not included )
	Insulation - Polystyrene	( Appr. 33 kg/m <sup>3</sup> - heat conductivity: 0,035 W/mK )
	4 mm HDF	( Appr.970 kg/m <sup>3</sup> - heat conductivity: 0,13 W/mK )

#### U-Value:

U-Value - W/m <sup>2</sup> K									
32 mm	43 mm	48 mm	52 mm	54 mm					
1,40	0,96	0,84	0,77	0,73					

Heat conductivity is calculated on the basis of the practical heat conductivity of each included material - taken from data sheets and DS418, version 6, 2002. Also relating to EN 12524.

#### Weight:

Weight appr. Kg./m <sup>2</sup>									
32 mm	43 mm	48 mm	52 mm	54 mm					
25,2	25,5	25,7	25,8	25,9					

#### Sound reduction:

Weighted sound reduction - R <sub>w</sub> (C; C <sub>tr</sub> )= 39 (-1; -4) dB									
All thicknesses									
39									

Weighted sound reduction index in accordance with PN-EN ISO 717-1:2013

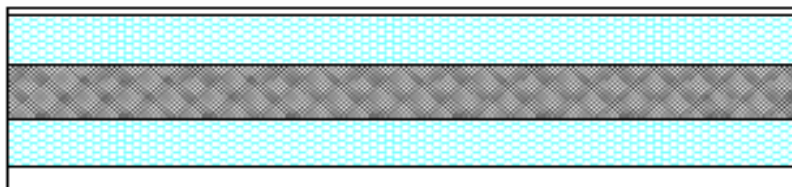
#### Measure:

Min.: 120 x 250 mm - Max.: 1200 x 2400 mm

#### Tolerances:

Width/Height: +/- 1 mm - Diagonal: +/- 1,5 mm - Thickness: +/- 0,8 mm

#### Section drawing:



Made: 24.08.15	Data sheet: PMN	Draw.: HMN
Revised: 29.03.16	Data sheet: PMN	Draw.:

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