

TECHNICAL DATA SHEET

Decibel PZP

Noise attenuation for outdoor and indoor

Product description and Technical Specification:

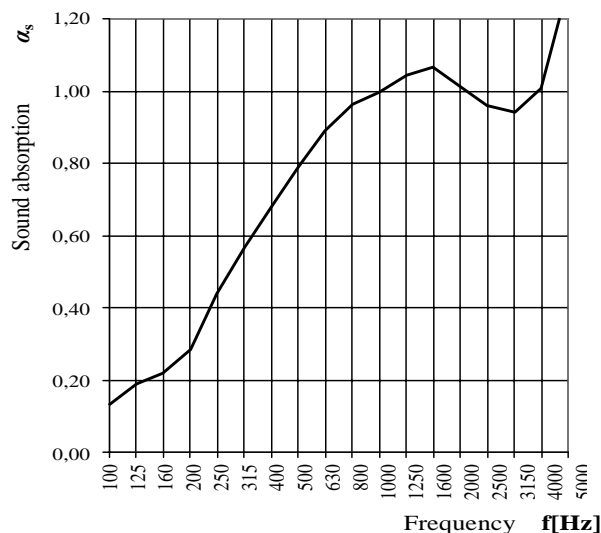
Metal perforated panel for sound insulation and sound absorption with standard dimensions 1010x2010mm with three different widths – 50mm, 75mm, and 100mm. The standard color is RAL 9010 but it can be painted in any RAL Color to match different project requirements. The sound reduction index of the panel is $R_w=30,5\text{dB}$ and sound absorption coefficient is $\alpha_w=0.77$



- Suitable for indoor and outdoor conditions
- Fire resistance
- Easy to install on metal frame

PHYSICAL CHARACTERISTICS	Standard	Unit	Value			Tolerance
Thickness		mm	50	75	100	±5%
Length		mm	2010			±2%
Width		mm	1010			±2%
Weight		kg	25	28	30	±10%
Color			RAL 9010			

ACUSTIC CHARACTERISTICS	Standard	Unit	Value			Tolerance
Thickness		mm	50	75	100	±5%
Sound absorption coefficient α_w	EN ISO 354	-	0.70	0.74	0.77	
Sound reduction index R_w		dB	26	28	30.5	±3dB



Sound absorption coefficient					
f [Hz]	α_s	f [Hz]	α_s	f [Hz]	α_s
100	0.13	400	0.68	1600	1.07
125	0.19	500	0.79	2000	1.01
160	0.22	630	0.89	2500	0.96
200	0.28	800	0.96	3150	0.94
250	0.44	1000	1.00	4000	1.01
315	0.57	1250	1.04	5000	1.31

TECNICAL CHARACTERISTICS	Standard	Unit	Value	Tolerance
Thermal conductivity (λ)	UNI EN 12667	W/mK	0.035	
Class Reaction to Fire	BS EN 13501	-	A2	
Coefficient of Heat Loss (U)		W/m ² K	0.66	
Operating temperature		°C	-40/+120	

PACHING AND STORING

The panels are packed on pallet with dimensions 1010mmx2010mm with maximum high of 1500mm. Indoor storage is recommended for the produces, repaired from rain.