

TECHNICAL DATA SHEET

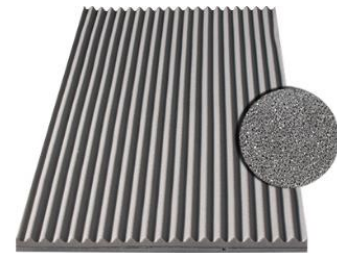
Visto 48

Soundproofing panel

Product description and Technical Specification:

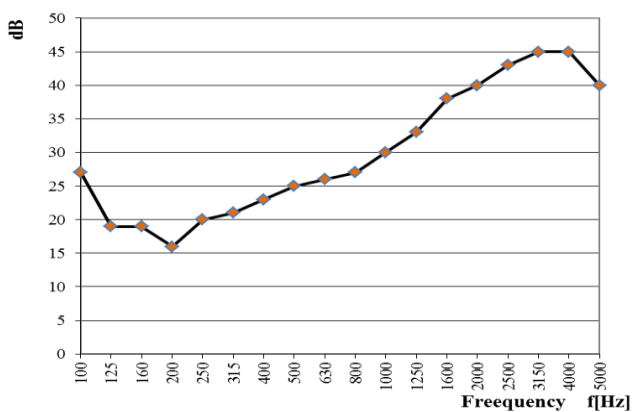
VISTO48 is a high - tech soundproofing and sound absorbing elastic panel for walls and ceilings. The position of the highly elastic membrane diaphragm (middle layer) works as soundproofing and sound absorbing membrane. The wavy shape of the porous material (front layer) is optimised geometry that increased sound absorption in the range 1000-5000 Hz, which are the most typical frequency of the human voice and musician performance.

- Airway resistance's strength
- Viscous and thermal length of the pore
- Porosity



PHYSICAL CHARACTERISTICS	Unit	Value	Tolerance
Thickness	mm	48	±5%
Length	mm	1000	±5%
Width	mm	600	±5%
Weight	kg	2.5	±3%

ACUSTIC CHARACTERISTICS	Standard	Unit	Value
Sound reduction index R_w	EN 10140-1	dB	31
Sound absorption coefficient α_w	EN ISO 345	α_w	0.85



Sound reduction index R_w					
f [Hz]	dB	f [Hz]	dB	f [Hz]	dB
100	27	400	23	1600	38
125	19	500	25	2000	40
160	19	630	26	2500	43
200	16	800	27	3150	45
250	20	1000	30	4000	45
315	21	1250	33	5000	40

TECNICAL CHARACTERISTICS	Standard	Unit	Value	Tolerance
Thermal conductivity (λ)	UNI EN 12667	W/mK	0.042	
Max Service Temperature		°C	180	
Water Vapor Diffusion Coefficient (μ)		-	0.1	
Reaction to Fire Class	BS EN 13501	-	B1s1d0	

PACKING AND STORING

On pallets 120 x 100 x 195cm, 88 pieces per pallet, weight 235kg, 52.8m², stretched with folium