

DECIBEL IZO SOUND

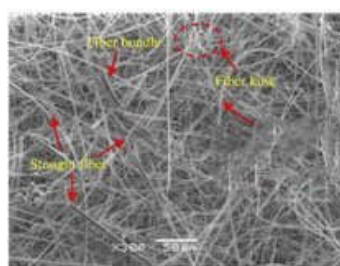
Product description and Technical Specification:

IZO SOUND is a glass-mineral felt with increased micro-grooves in the filaments, in order to increase its sound-proofing properties. The changed geometry of the thread increases the friction with the sound wave and accordingly increases the loss of sound energy.

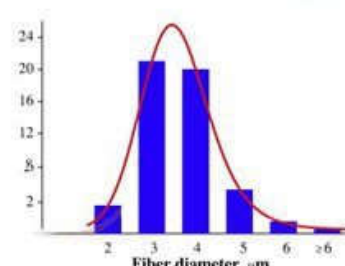
The extra layer of acoustic felt is effective in high frequencies. Compared to classic soundproofing materials of the same thickness, the soundproofing properties of the product have improved by an average of three decibels.

$$\rho = 48 \text{ kg / m}^3$$

Airflow Resistance Ratio: 36 163 Ray / m



(a) SEM micrograph



(b) Fiber diameter distribution

DECIBEL IZO SOUND are suitable for soundproofing of:

- Sound insulation of machines
- Sound insulation of air conditioners
- Sound insulation of compressors
- Sound insulation of family residence
- Sound insulation of industrial buildings

PHYSICAL AND TECHNICAL CHARACTERISTICS	Unit	Value
Width	mm	1000
Lenght	mm	1200
Thickness	mm	50
Material		Felt with increased micro
Facing		Black glass tissue
Density	kg/m ³	48
Sound Reduction index – Rw according to ISO 717		Rw=2 (C=-2;Ctr=-6)
Sound absorption coefficient – α _w		0.8
Fire class		A1