

TECHNICAL DATA SHEET

Beelive - Acoustic Fabric Panels

Sound absorption for walls and ceiling

Product description and Technical Specification:

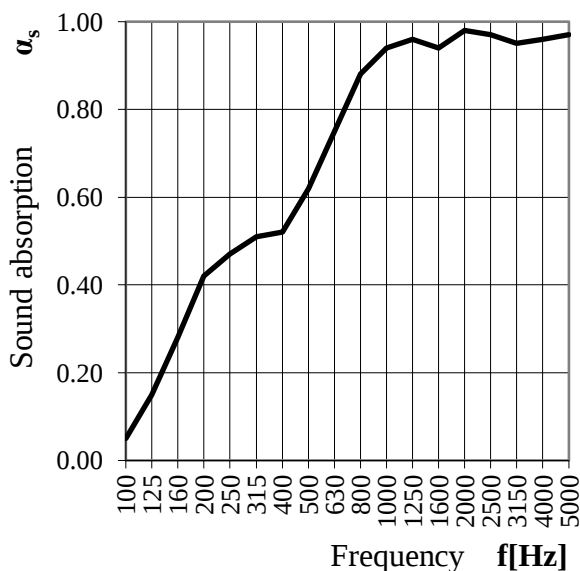
Acoustic fabric panels are used for sound absorption on walls and ceiling in public and industrial buildings. The panel has fire retardant characteristics. The covering is acoustic fabric. The dimension of each side of the hexagon panel is 230mm with thickness 40mm. The average sound absorption coefficient is $\alpha_w=0.68$.

- Suitable for indoor conditions
- Hexagon design
- Good acoustic performance



PHYSICAL CHARACTERISTICS	Standard	Unit	Value	Tolerance
Thickness		mm	40	±2%
Hexagon side		mm	230	±2%
Diameter		mm	470	±2%
Weight		kg	0,10	±2%

ACUSTIC CHARACTERISTICS	Standard	Unit	Value	Tolerance
Thickness		mm	40	±2%
Sound absorption coefficient α_w	EN ISO 345	-	0.68	



Sound absorption coefficient					
f [Hz]	α_s	f [Hz]	α_s	f [Hz]	α_s
100	0.05	400	0.52	1600	0.94
125	0.15	500	0.62	2000	0.98
160	0.28	630	0.75	2500	0.97
200	0.42	800	0.88	3150	0.95
250	0.47	1000	0.94	4000	0.96
315	0.51	1250	0.96	5000	0.97

TECNICAL CHARACTERISTICS	Standard	Unit	Value	Tolerance
Thermal conductivity (λ)	UNI EN 12667	W/mK	0.035	
Class Reaction to Fire	DIN 4102	-	B1	
Coefficient of Heat Loss (U)		W/m²K	0.66	

PACKING AND STORAGE

Indoor storage is obligatory for the products. Storage in a dry and cool place.