

# TECHNICAL DATA SHEET

## Echo Cloud

### Sound absorption for ceiling

**Product description and Technical Specification:**

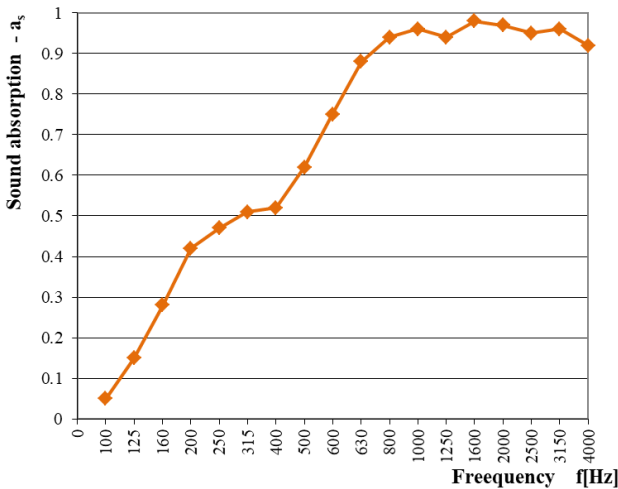
Echo Cloud is a high-performance sound absorbing hanging panel designed to absorb sounds from its front and back side. Echo Cloud panel is effective when applied in large open spaces where acoustical treatment is needed. It is very cost-effective way to reduce reverberation time and eliminate sound reflections from the ceiling and other surfaces in treated environment. They are easy to install on concrete, metal frames or gypsum board ceilings.



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

PHYSICAL CHARACTERISTICS	Standard	Unit	Value	Tolerance
Thickness		mm	50	±2%
Length		mm	1000	±2%
Width		mm	500	±2%
Weight		kg	1,50	±2%

ACOUSTIC CHARACTERISTICS	Standard	Unit	Value
Design			flat with fabric finish
Material			acoustic foam and acoustic fabric
Installation			ceiling suspended on tenon
Color			available in 22 colors
Sound absorption coefficient $\alpha_w$	EN ISO 345	-	0.68



Sound absorption coefficient					
f [Hz]	$\alpha_s$	f [Hz]	$\alpha_s$	f [Hz]	$\alpha_s$
100	0.05	400	0.52	1250	0.94
125	0.15	500	0.62	1600	0.98
160	0.28	600	0.75	2000	0.97
200	0.42	630	0.88	2500	0.95
250	0.47	800	0.94	3150	0.96
315	0.51	1000	0.96	4000	0.92

TECHNICAL CHARACTERISTICS	Standard	Unit	Value	Tolerance
Thermal conductivity ( $\lambda$ )	UNI EN 12667	W/mK	0.035	
Class Reaction to Fire	DIN 4102	-	B1	
Coefficient of Heat Loss (U)		W/m <sup>2</sup> K	0.66	

### PACKAGING AND STOWAGE

Indoor storage is obligatory for the produces, repaired from rain. Storage in a dry and cool place.