

TECHNICAL DATA SHEET

Echo Moon

Sound absorption for ceiling

Product description and Technical Specification:

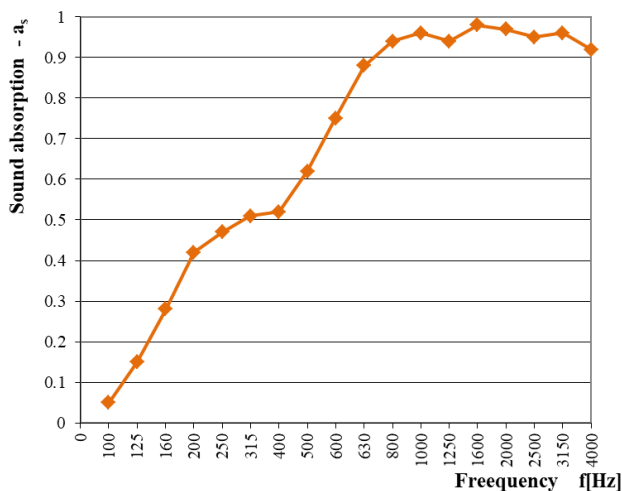
Echo Moon is a high-performance sound absorbing hanging panel designed to absorb sounds from its front and back side. Echo Moon panel is effective when applied in large open spaces where acoustical treatment is needed. It is very cost-effective way to reduce reverberation time and eliminate sound reflections 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	±3 mm
Diameter		mm	500/1000	± 3 mm
Weight D = 1000 mm		kg	1,50	± 5 %
Weight D = 500 mm		kg	0,75	± 5 %

ACOUSTIC CHARACTERISTICS	Standard	Unit	Value
Raw Materials			PE or Melamine semi elastic foam and acoustic fabric
Installation			Suspension wires or direct glued
Color			available in 22 colors
Sound absorption coefficient α_w	EN ISO 345	-	0.75



Sound absorption coefficient					
f [Hz]	α_s	f [Hz]	α_s	f [Hz]	α_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
Airflow resistivity		Rayl/m	11 200
Class Reaction to Fire	DIN 4102	-	B1 s1 d0
Coefficient of Heat Loss (U)		W/m ² K	0.66

AVAILABLE COLORS



PACKAGING AND STORAGE

Echo moon diameter 1000 mm – 4 pcs. per box; Box dimensions: 1020 x 1020 x 240 mm; Weight per box 7.2 kg.

Echo moon diameter 500 mm – 8 pcs. per box; Box dimensions: 520 x 520 x 440 mm; Weight per box 7.2 kg.

Indoor storage is obligatory. Storage in a dry place.