

INTERIOR DÉCOR-ACOUSTIC PANEL

TECHNICAL DATA SHEET

Product: Interior décor panel (WA-ID), 48 x 48 x 3 cm (indicative).

Fire resistance class: D - s3, d0 according EN 13823, Harmonized Standard EN 15102:2007+A1:2011

Thermal conductivity (lambda), W/m*K: lambda D value according to EN ISO 10456:2008 < 0.037

Level of sound absorption: Mounting method A, Sound absorption according to EN ISO 354:2003. Class D, Alpha-w 0.45 (MH) (α_w) according to EN ISO 11654:1997. NRC = 0.70 calculated according ASTM C 423- 01.

Test date: 07.03.2024	Test room:	Empty	With Sample
Chamber Volume: 300.1 m2	Air Temperature:	16.8°C	16.5°C
Mounting method: A	Air Humidity:	56% RH	56% RH
	Air Pressure:	1015 mbar	1015 mbar
	Sample Area: 11.29 m2		

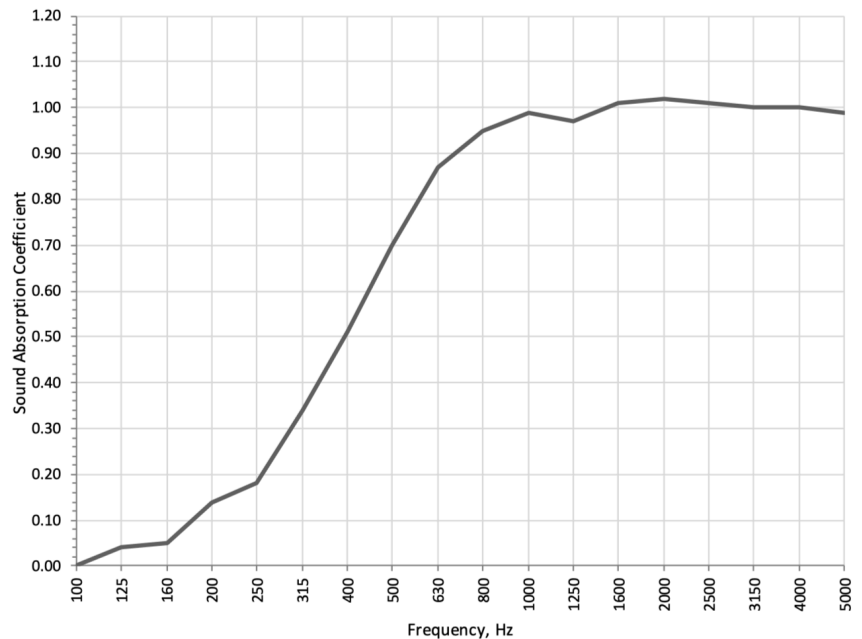
Frequency Hz	T1, empty room reverberation time, sec	T2, room reverberation time with sample, sec	Sound Absorption Coefficient α_s	Practical Sound Absorption Coefficient α_p
100	6.50	6.54	0.00	
125	6.40	6.08	0.04	0.05
160	5.80	5.42	0.05	
200	6.23	5.17	0.14	
250	6.36	5.05	0.18	0.20
315	6.65	4.37	0.34	
400	6.51	3.67	0.51	
500	5.70	2.90	0.70	0.70
630	5.11	2.52	0.87	
800	5.20	2.43	0.95	
1000	5.60	2.45	0.99	0.95
1250	5.53	2.47	0.97	
1600	5.21	2.34	1.01	
2000	4.73	2.24	1.02	1.00
2500	4.17	2.11	1.01	
3150	3.35	1.88	1.00	
4000	2.74	1.67	1.00	1.00
5000	2.13	1.42	0.99	

α_s Level of sound absorption according to ISO 354

α_p Level of sound absorption according to ISO 11654

Sound Absorption Class D
NRC 0.70

Sound Absorption Coefficients



Additional Product Physical Information as per internal testing:

PARAMETER	UNIT	AVERAGE VALUE
IMPACT NOISE	dB	
Thickness 10 mm		26
Thickness 20 mm		34
DENSITY	Kg / m3	20-80
Tensile Strength	kPa	100-130
Water Vapor Transmission Rate	mg/m2 * h	15-25