

TEXFEL ECHO

PET felt acoustic panels

Technical Data Sheet

TEXFEL® Echo is a range of decorative acoustic PET panels that stands out for offering features adapted to the needs of architects, designers and OEMs.

PET felt standard colour is black, with a wide range of colours available (to special order) to complement modern working and living spaces.

The main purpose of the product is to reduce residual sound that is commonly found in virtually any space.

FEATURES and BENEFITS

- Reduces impact noise transmission
- Acoustic absorption and decorative function combined in rigid panels that can be cut to desired shapes
- Easily bonded in position
- High acoustic performance

PROPERTIES

Parameter	Value		
Length	2440mm		
Width	1220mm		
Thickness	9 mm	12 mm	24 mm
Density	183 kg/m ³	208 kg/m ³	125 kg/m ³
Sheet Weight	1.65 kg/m ²	2.50 kg/m ²	3.00 kg/m ²
Tolerances	±12 %	±12 %	±10 %
Recycled equivalent (33cl bottle)	106	159	195

Colour	Black (Up to 20 colours available by special order)
Sound Absorption (EN ISO 354)	up to α_w 0.90
Acoustic Class (EN ISO 11654)	A
Reaction to Fire (EN 13501-1)	B-s2,d0 (mechanically fixed)
Composition	100% PET up to 60% post recycled

Worked Sheet (routing etc.)

The physical performance data presented within this document is solely applicable to the unaltered product as supplied direct from the production line.

Subsequent adjustment to the form of the product through working (pressing, moulding, routing, grooving, shaping, carving, holing) will have an effect upon the stated physical performance values.

Customers who desire a bespoke altered product should ensure that the performance of the modified sheet remains suitable for their application.

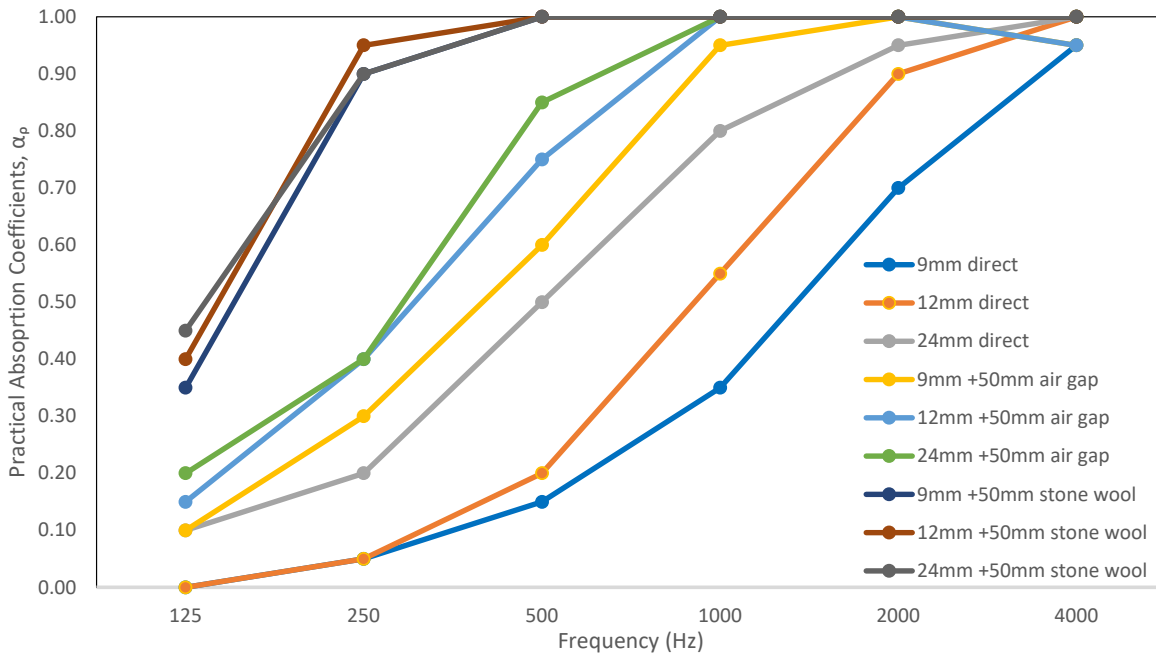
Values stated are the result of specific testing and are not offered in warranty of specification or performance.



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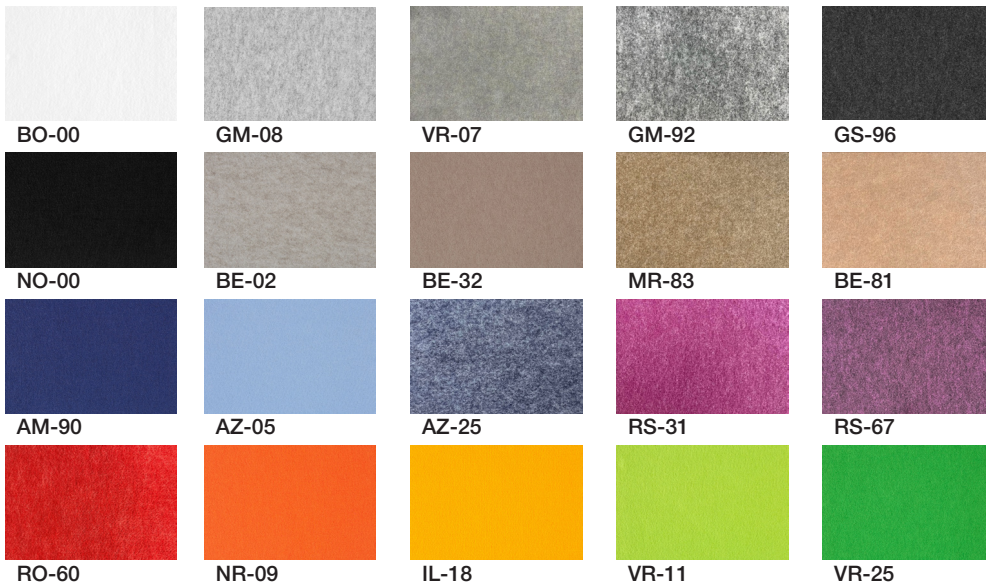
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TEXFEL ECHO Practical sound absorption coefficient



ISO 354:2003			Frequency (Hz)						NRC	αw	Class
Panel	Gap	Fill	125	250	500	1K	2K	4K			
9mm	0	None	0.00	0.05	0.15	0.35	0.70	0.95	0.30	0.25	E
12mm			0.00	0.05	0.20	0.55	0.90	1.00	0.45	0.25	E
24mm			0.10	0.20	0.50	0.80	0.95	1.00	0.60	0.50	D
9mm	50mm	Air	0.10	0.30	0.60	0.95	1.00	0.95	0.70	0.60	C
12mm			0.15	0.40	0.75	1.00	1.00	0.95	0.80	0.70	C
24mm			0.20	0.40	0.85	1.00	1.00	1.00	0.85	0.70	C
9mm	50mm	Stone Wool	0.35	0.90	1.00	1.00	1.00	1.00	1.00	1.00	A
12mm			0.40	0.95	1.00	1.00	1.00	1.00	1.00	1.00	A
24mm			0.45	0.90	1.00	1.00	1.00	1.00	1.00	1.00	A

Available Colours (<https://www.textfel.com/en/textfel-acoustics-textfel-echo/>)



Deviations from the colours shown are possible due to production batches and literature print.

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