



RAWSON

ACOUSTIC SOLUTIONS

FLEXBOND SOUND LINEAR



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Flexbond sound Linear is a highly engineered polyester acoustic slab. The cross-lapped construction results in a material with many qualities including strength and stability in use.

This composite acoustic panel offers exceptional fire resistance, sound reduction and thermal properties.

Raw Materials are Polyester PETR. Recycled bottle flake. The product, after its long life can be fully recycled back into PET offering a genuine closed loop product.

Flexbond Sound Linear is available in 3 thicknesses and densities.

These are our standard offerings. However, as a manufacturer, bespoke sizes and densities are an option.

- 2.4m x 1.2 m @2250g/m² at 50mm
- 2.4m x 1.2 m @1800g/m² at 40mm
- 2.4m x 1.2 m @1125g/m² at 25mm



SOUND ABSORPTION

(50mm) Rating according to

BS EN ISO 11654: 1997

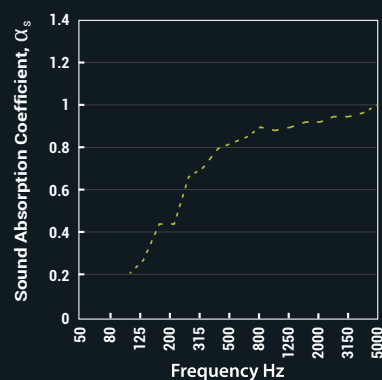
$$\alpha_w = 0.85$$

Sound Absorption Class: B

Frequency (Hz)	α_s	α_p
50		
63		
80		
100	0.17	
125	0.23	0.25
160	0.40	
200	0.41	
250	0.64	0.60
315	0.70	
400	0.78	
500	0.81	0.80
630	0.84	
800	0.89	
1000	0.87	0.90
1250	0.89	
1600	0.90	
2000	0.92	0.90
2500	0.94	
3150	0.95	
4000	0.95	0.95
5000	0.99	
6300		
8000		
10000		

FIRE-RESISTANCE RATING

CLASSIFICATION CRITERIA	SPECIMEN			MEAN	CLASS
	1	2	3		
FIGRA 0.2MJ (W/s)	61.1	73.4	46.6	60.4	B
FIGRA 0.4MJ (W/s)	61.1	73.4	46.6	60.4	
THR 600s (MJ)	6.5	7.9	5.5	6.6	
LFS to edge (yes or no)	No	No	No	No	s2
SMOGRA (m ² /s ²)	8.8	11.6	4.3	8.3	
TSP 600s (m ²)	104.6	137.5	39.6	93.9	
FDP flaming ≤ 10 s (yes or no)	No	No	No	No	d0
FDP flaming > 10 s (yes or no)	No	No	No	No	



Contact our creative sales team for more information and technical knowledge

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