

# AcouSlat

AcouSlat timber slat acoustic panels not only look great but also a good sound absorbing solution. Our timber acoustic slats are used for walls and ceilings in applications such as offices, schools, courtrooms, auditoriums, board rooms and any large spaces.



**ekko**<sup>®</sup>  
ekkoacoustic.com



# AcouSlat



## Key Features



**Recycled Material**  
Raw materials consist of 57% recycled post-consumer products e.g. plastic bottles.



**Low Moisture Absorption**  
Retains moisture in ambient air & controls humidity by absorbing & emitting less.



**Green Material**  
Sustainable manufacturing process free from chemicals, binders & adhesives.



**Sustainability**  
The wood content comes from PEFC-certified sustainable forests



**High Sound Absorption**  
Helps to dampen noise & promote excellent acoustic performance in comfort.



**Anti-rot & Anti-fungi**  
Able to withstand harsh environments.

**ekko**<sup>®</sup>  
ekkoacoustic.com



# AcouSlat

Veneered timber-wrapped slat colours and acoustic PET backing panel.

**ekko**<sup>®</sup>



Smoked Oak



Walnut



Dark Oak



Light Oak

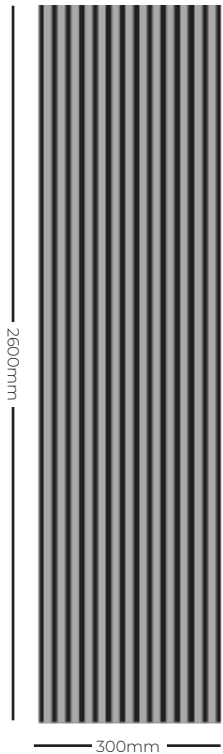
**\* Please note the colours are photographic representations and would advise seeing a sample of the actual colour.**



Lloyds  
210-09

# AcouSlat

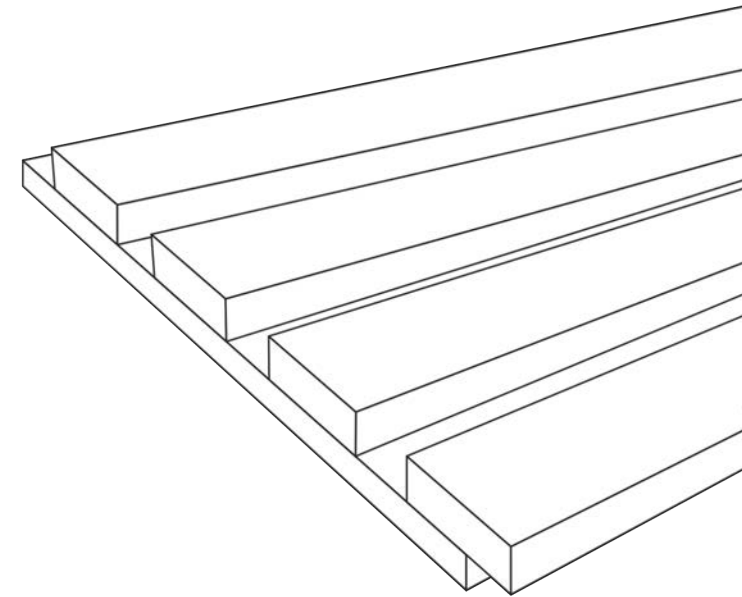
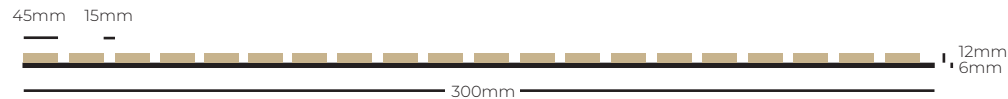
AcouSlat acoustic panels allow for a secure installation without the added aesthetic of visible trims. Instead, each panel is manufactured to a fixed size 300 x 2600 x 17mm, 4 different timber veneers that are fixed to a 6mm black PET panel. The panels can be cut down or have an aperture introduced for light fittings, sockets etc. using a circular saw. To finish of external/internal corners, around windows or any cut panels, apply a L shape timber beading/trim to cover any raw edges.



## AcouSlat timber slat wall panels

We have 4 different timber slat veneer finishes.  
All at a fixed size of:  
300 x 2600mm x 22mm.

All finishes have ekkofelt® Lloyds black PET backing



# AcouSlat

Acoustic Test Results for PET Sheet - ekkofelt™ by ekko®  
 Tests conducted by the University of Salford Acoustic Test Laboratory on  
 11th July 2023 Tests conducted in accordance with BS EN ISO 354: 2003  
 (Measurements of Absorption in Reverberation Room)

Thickness	Result Type	No Air Gap	50mm Air Gap	100mm Air Gap	200mm Air Gap
9mm	aw rating 0.250.650.9	0.25	0.65	0.9	0.9
	Absorption Class ECA	E	C	A	A
	as coefficient @ 2000 Hz 0.70.950.85*	0.7	0.95	0.85*	0.95
	SAA rating - NRC				
	Replacement 0.320.720.85	0.32	0.72	0.85	0.9
12mm	aw rating 0.250.650.9	0.25	0.65	0.9	0.95
	Absorption Class ECA	E	C	A	A
	as coefficient @ 2000 Hz 0.70.950.85*	0.85	1.00	1*	1.00
	SAA rating - NRC				
	Replacement 0.320.720.85	0.41	0.76	0.87	0.92
18mm	aw rating 0.250.650.9	0.45	0.8	0.95	1
	Absorption Class ECA	D	B	A	A
	as coefficient @ 2000 Hz 0.70.950.85*	1	1	1	1
	SAA rating - NRC				
	Replacement 0.320.720.85	0.6	0.84	0.91	0.95
24mm	aw rating 0.250.650.9	0.5	0.85	1	1
	Absorption Class ECA	D	B	A	A
	as coefficient @ 2000 Hz 0.70.950.85*	1	1	1	1
	SAA rating - NRC				
	Replacement 0.320.720.85	0.7	0.89	0.94	0.97

University of Salford test procedure is strictly conducted in accordance with BS EN ISO 354. Full test measurement report available on request.

aw (alpha weighted) rating has been calculated in accordance with BS EN 11654:1997 (sound absorbers for use in buildings)

BS EN 11654:1997 includes a table for expressing aw values as a single letter e.g. Absorption Class

as rating is the absorption coefficient at a particular frequency

SAA ratings are an American standard, widely used as a simple rating of absorption performance. Replaces previously titled NRC testing as coefficient affected by resonance during test at this frequency & air gap dimension, marked by \*

V1: Test data collated from source test results.  
 V2: Test results produced by University of Salford 11th July 2023.



Notes:

Frequencies (Hz) range of 125 to 5000Hz  
 Class of absorption in accordance with BS EN ISO 11654:1997  
 Average frequency of adult speech  
 American Standard (Sound Absorption Coefficient), replaces NRC rating

Frequencies (Hz) range of 125 to 5000Hz  
 Class of absorption in accordance with BS EN ISO 11654:1997  
 Average frequency of adult speech  
 American Standard (Sound Absorption Coefficient), replaces NRC rating

Frequencies (Hz) range of 125 to 5000Hz  
 Class of absorption in accordance with BS EN ISO 11654:1997  
 Average frequency of adult speech  
 American Standard (Sound Absorption Coefficient), replaces NRC rating

Frequencies (Hz) range of 125 to 5000Hz  
 Class of absorption in accordance with BS EN ISO 11654:1997  
 Average frequency of adult speech