



NCS Acoustics

DESIGN • MANUFACTURE • INSTALL



EAP Exterior Acoustic Panels

Highly absorptive panels for noise screening



EAP Exterior Acoustic Panels are highly absorptive panels for the primary purpose of acoustic barriers/screening around noisy equipment. Designed for economy and ease of installation.

- Guaranteed to comply with specified performance.
- A modular panel system, in standard sizes or designed to fit any space.
- 50mm, 75mm, 100mm thick panels.
- Made from galvanised steel. Aluminium or stainless steel also available.
- Design provides weather protection of acoustic infill.
- Finishes: plain galvanised, powder-coated or epoxy paint in a range of colours.



CONSTRUCTION

EAP Exterior Acoustic Panels are made to order, various sizes and cut-outs can be manufactured. Available in three thickness, 50mm, 75mm or 100mm for greater sound absorption and barrier performance.

Standard construction from pre-galvanised durable steel, aluminium or stainless steel also available. A durable solid backing with provision for drainage and a perforated facing. The perforated facing has a high open area to maintain acoustic performance. The panels contain high-density polyester self-draining acoustic infill.

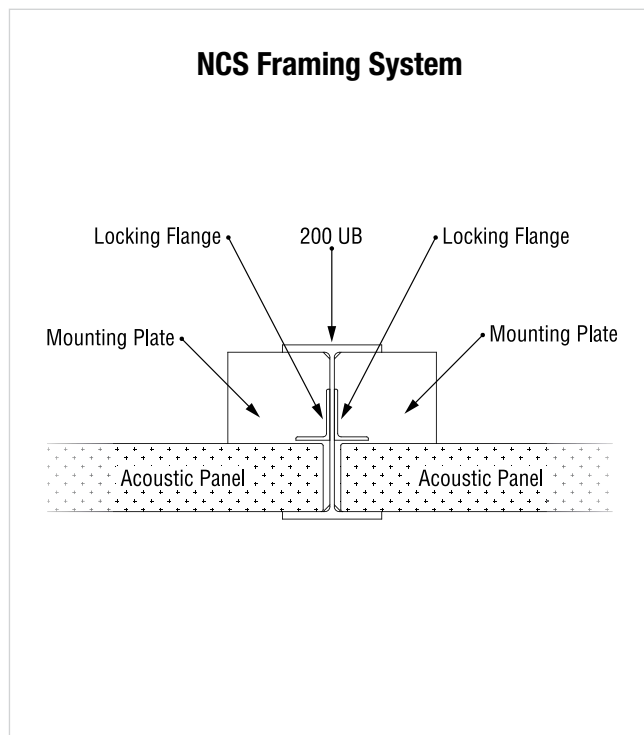
The acoustic infill has a Group Number of 1-s which complies with New Zealand Building Code clause C3.4(a). Tests were carried out in accordance with NZBC Verification Method C/VM2 Appendix A : Establishing group numbers for lining materials.

Available with a galvanised finish or with a powder-coated or epoxy paint finish in a range of colours for an attractive high quality finish.

INSTALLATION

Typically installed as screens/walls with the NCS or clients framing system. Different sizes and any number of panels can be used to suit building layout.

Can be combined with other NCS Acoustics products such as Louvres, Acoustic Doors and Windows to create Acoustic Enclosures.



ACOUSTIC PERFORMANCE

The acoustic performance of an EAP Exterior Acoustic Panel is rated at STC 30 to 35, but will be limited by the sound energy able to bypass the barrier/screen (over, around, under). They function best when close to source and in line of sight, as they work by creating an acoustic 'shadow'. Typical acoustic performance is 10-15 dB(A) reduction, dependant on specific application.

Model	STC	NRC
EAP50	30-35	0.7
EAP75		0.9
EAP100		1.05

DIMENSIONS & MASS

Model	Standard Dimensions (mm)			Panel Mass Excludes framing kg/m ²
	Width	Height	Thickness	
EAP50	Up to 1200	Up to 2400	50	40
EAP75			75	51
EAP100			100	62

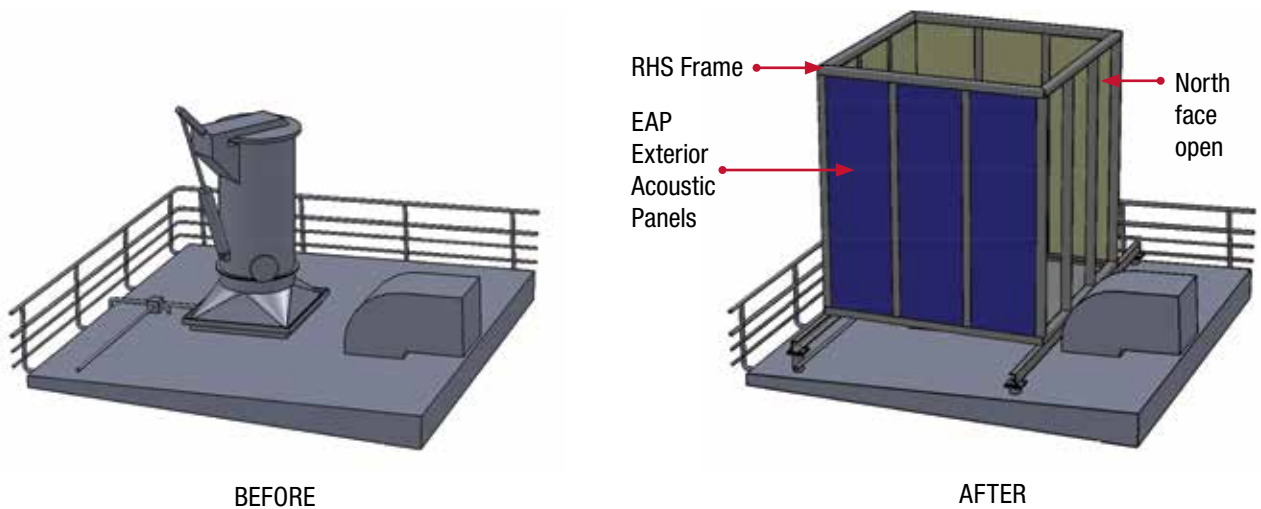
Other sizes available.



Example of Application – Cooling Tower Screen



Example of Application – Blower Discharge Screen



IAP INTERIOR ABSORPTION PANELS

For interior reverberation control use IAP Interior Absorption Panels. For more information see the IAP Interior Absorption Panels brochure.

ADDITIONAL INFORMATION

Visit our website or contact us for information on installation, testing, monitoring, maintenance services and technical guides.



Got a question? Call us to discuss with an experienced engineer:

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Or visit our website for more information:

www.ncsacoustics.co.nz

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