



PRODUCT DESCRIPTION

The **abCOR-W** panels are designed to provide high absorption in the mid frequencies of sound, with the 50mm **abCOR-W** panel wrapped in fabric having an absorption of 100% across these mid frequencies. For spaces where speech clarity is important, like classrooms, conference rooms, GP halls, absorption in the mid frequencies is very important. All current design guides for schools in the UK and Ireland like BB93 and TGD-026-1 "Acoustic Design of Schools" set strict criteria for mid frequency reverberation times. The **abCOR-W** panel is designed to provide maximum absorption in these frequencies.

PRODUCT SPECIFICATIONS

Thickness: 25mm, 50mm and 100mm acoustic melamine foam.

Sizes: Bespoke sizes available on request up to a maximum of 2500mm x 1250mm.

Acoustic Performance:

Product	Thickness mm	Sound Absorption Coefficient (when tested in accordance with BS EN ISO 354: 2003)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Plain abCOR-O panel	25	0.04	0.22	0.54	0.74	0.88	0.92
	50	0.22	0.46	0.95	1.00	1.00	1.00
	100	0.25	0.70	0.98	1.00	1.00	1.00
abCOR-W covered with Cara or Lucia	25	0.05	0.27	0.68	0.89	1.00	0.94
	50	0.23	0.50	1.00	1.00	1.00	1.00
	100	0.40	0.85	1.00	1.00	1.00	1.00

Fire Rating: Plain **abCOR-W** panels comply with the Class 'O' requirements of the Building regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987. Absorbers with a spray painted finish do not have a fire rating. Cara, Screen and Lucia fabrics meet the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7: 1997 (As Amended). The composite absorbers have not been fire tested.

Colour Range: Panels are finished in high quality acoustic fabrics available in various colours. Fabric choice: Cara, Screen or Lucia each offering different textures.

