



PRODUCT DESCRIPTION

The **abCOR-Elite** panel combines the **abCOR-ECCO** Class A absorber with an acoustic fabric face running seamlessly between an anodised aluminium extruded profile. This has been specifically designed to offer one seamless panel spanning up to 35 metres in length, providing high absorption in the mid frequencies of sound. It gives a discrete integration into its surroundings. All current design guides in the UK and Ireland like BB93 and TGD-026-1 "Acoustic Design of Schools" set strict criteria for mid frequency reverberation times. **abCOR-Elite** is ideal for office refurbishments. The **abCOR-ECCO** is manufactured using recycled plastic. Each 50mm thick panel can contain up to fifty 500ml plastic drink bottles per square metre.

PRODUCT SPECIFICATIONS

Thickness: 25, 40 or 50mm acoustic polyfibre (*melamine foam also available*).

Sizes: Up to 35 metres in length. Width up to 1200mm depending on chosen fabric.

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
abCOR-Elite	25	0.16	0.42	0.76	0.97	1.00	0.95
	40	0.40	0.73	1.07	1.12	1.01	0.94
	50	0.44	0.86	1.11	1.11	1.01	0.96

Fire Rating: **abCOR-Elite** 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 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: The absorption panels are finished in high quality acoustic fabric from Camira, available in various colours or can be printed with images, logos, text etc.

"We are delighted with the work carried out by Donegan Acoustics, as your work in installing sound attenuation panels in our staff canteen has provided us with a comfortable acoustic environment in which to take our breaks once again. Prior to the installation of your acoustic panels, many staff had discontinued using the canteen for tea / lunch breaks and there was a noticeable decrease in camaraderie and morale in the offices. Without the panels, the reverberation of sound in this room was so significant that it was next to impossible to comprehend conversation across a table. In actual fact the sound quality in the room was nauseating. There was a sense of apprehension and disbelief amongst some staff that anything could be done to improve the situation but thankfully we are delighted to report that all staff are very happy with the impact of your work and are enjoying the benefit of proper rest breaks once again."

Eamonn Guilfoyle, Assistant Principal, Dept of Social Protection - Midlands North Division, Mullingar.

