



## PRODUCT DESCRIPTION

The **abCOR-O** panels are designed to provide high absorption in the mid frequencies of sound, with the 50mm **abCOR-O** panel with it's chamfered edge, 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-O** panel is designed to provide maximum absorption in these frequencies.

## PRODUCT SPECIFICATIONS

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

Sizes: 600mm x 600mm, 800mm x 800mm, 1200mm x 1200mm, 600mm x 1200mm, 800mm x 1200mm.

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
<b>abCOR-O</b> 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	0.60	1.00	1.00	1.00	1.00	1.00

Fire Rating: Plain **abCOR-O** panels comply with the Euro Class B requirements of the Building regulations, when tested to BS EN 13501-1. Absorbers with a spray painted finish do not have a fire rating.

Colour Range: Melamine foam comes in white or grey.

## INSTALLATION INSTRUCTIONS

**abCOR-O** panels are to be fixed to substrate using a Hi-Tac Polymer Only

**Example:** SX Mighty Strength Seal and Fix or similar.

*"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.

