



PRODUCT DESCRIPTION

The **abCOR-AIR** panels are designed to provide high absorption in the mid frequencies of sound, with the 40 and 50mm **abCOR-AIR** panel, having an absorption of at least 100% across these mid frequencies and providing a Class A absorption panel. For spaces where speech clarity is important and the environment has a high moisture content like gyms and swimming pools. All current design guides for schools in the UK and Ireland like BB93 and TGD-021-5 "Acoustic Design of Schools" set strict criteria for mid frequency reverberation times. The **abCOR-AIR** panel is designed to provide maximum absorption in these frequencies.

PRODUCT SPECIFICATIONS

Thickness: 25mm, 40mm and 50mm.

Sizes: 1200 x 2400 or any multiples there of.

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-AIR	25	0.05	0.23	1.03	0.75	0.82	0.82
	40	0.18	0.80	0.98	1.07	1.04	0.90
	50	0.25	0.95	1.01	1.12	1.08	0.96

NRC Rating: 40mm - 0.96 50mm - 1.0

Fire Rating: Plain **abCOR-AIR** panels comply with the Class 'B-s2-d0' requirements of the Building regulations, when tested to EN13501-1.

Colour Range: **abCOR-AIR** comes in White, Charcoal or Black

"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.

