



## PRODUCT DESCRIPTION

The abCOR-Cloud combines the abCOR O Class A absorber with an acoustic fabric face and sides with 9mm MDF backer and staywires with Mechanical anchors for safe and secure suspension. This has been specifically designed to offer suspended clouds with the option of different colours, providing high absorption in the mid frequencies of sound. It can give a discrete integration into its surroundings or can be given a lift with colour that make it a feature. 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-Cloud is ideal for spaces that have high ceilings

## PRODUCT SPECIFICATIONS

Thickness: 40 or 50mm acoustic melamine foam

Sizes: Up to 2400 mm in length and 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-Cloud	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-Clouds 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. Castillo fabrics meet the requirements of Class O Surface Spread of Flame when tested to BS476: Part 7: 1997 (As Amended). The composite absorbers have not been fire tested.

Colour Range: The Clouds are finished in high quality acoustic fabric from Camira, available in various colours

"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.

