

Ecophon Akusto™ Screen A

Ecophon Akusto Screen A is a highly efficient sound absorbing screen which together with a sound absorbing ceiling gives excellent room acoustics in open areas like open-plan offices. Akusto Screen is a vital part of an acoustic solution for TABS (Thermally Activated Building Systems) buildings. It has the same Texona surface as Akusto Wall™ which will keep your colour design consistent. Ecophon Akusto Screen A has a high density absorber in 3rd generation glass wool and has excellent sound-reducing properties. It is set in a naturally anodised aluminum frame and both sides have a glass fibre fabric surface (Texona). The approximate weight is 24-44 kg. It is also possible to get a 6 mm thick and 400 mm high clear glass pane on top

of the screen, total height of screen 1820 mm. The feet are naturally anodised aluminum.



Polish Air Navigation Services Agency - Air Traffic Control Centre, Warsaw, Poland

SYSTEM RANGE



Size, mm	1420x1200	1420x1800
Free Standing	•	•
Thickness (THK)	88	88
Inst. Diagr.	M340	M340

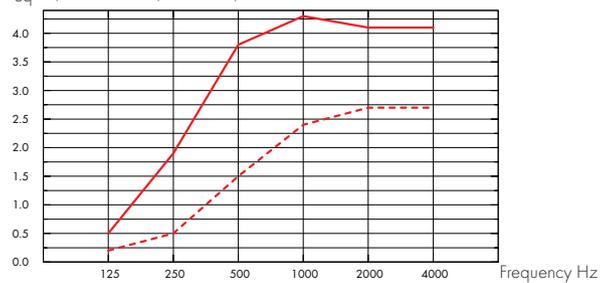


Acoustic

Sound Absorption and Sound Attenuation:

Sound absorption test results according to EN ISO 354. Sound attenuation test results according to ISO 10053, SS 25269.

A_{eq} , Equivalent absorption area per unit (m^2 sabin)

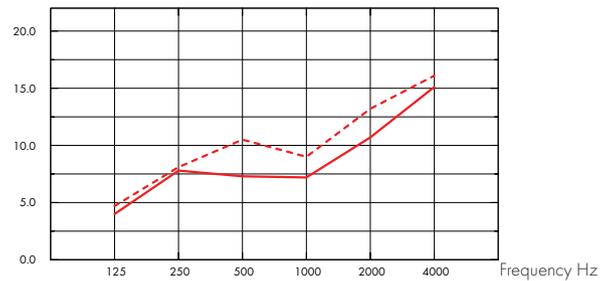


— Akusto Screen, size 1800x1420 mm

- - - Akusto Screen, size 1200x1420 mm

o.d.s = overall depth of system

Screen sound attenuation (dB)



— Screen height 1420 mm

- - - Screen with glass pane h=400, height 1820 mm

	THK mm	o.d.s. mm	A_{eq} , Equivalent absorption area per unit (m^2 sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1800x1420	88	0	0.50	1.90	3.80	4.30	4.10	4.10
1200x1420	88	0	0.20	0.50	1.50	2.40	2.70	2.70

	THK mm	o.d.s. mm	Screen sound attenuation (dB)						α_w
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
1420	88	0	4.00	7.80	7.30	7.20	10.70	15.10	10.00
1820	88	0	4.70	8.10	10.50	9.00	13.20	16.10	12.00



Cleanability

Weekly dusting and vacuum cleaning.



Visual appearance

Texona in white has high light reflectance. Light reflectance and nearest NCS colour sample for all the different colours: See Ecophon Colours and surfaces.



Influence of climate

The tiles withstand a permanent ambient RH up to 75% at 30°C without sagging, warping or delaminating (EN 13964).



Indoor Climate

Certificate / Label	
French VOC, A+	•
Swedish Asthma and Allergy Association	•
Danish Indoor Climate Label	•
California Emission Regulation, CDPH	•



Environmental influence

Certificate / Label	
The Nordic Ecolabel	•

Fully recyclable



Fire safety

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.



Mechanical properties

Texona surface has moderate impact resistance.



Installation

Installed according to installation diagrams, installation guides and drawing aid.