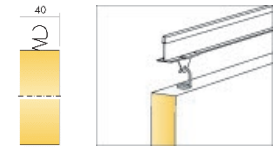


ECOPHON ADVANCE BAFFLE

Visual design edge



The system should consist of glass fibre acoustic free-hanging units Ecophon Hygiene Advance Baffle in dimension 1200x600x40 mm, hanging vertically and installed with Ecophon Connect grid system: Connect T24 Main runners C3 suspended every 600 mm with Connect Adjustable hanger C3, and Connect T24 Cross tees C3 of 600mm length. The baffle consists of Ecophon Hygiene Advance™ Baffle with Hook. The edges are straight cut. The should be fully encapsulated in impervious Advance film. Ecophon Hygiene Advance™ Baffle system is easily demountable.

The weight of the system (including suspension grid) should be approximately 4 kg/m². The panel should be fully encapsulated in Advance impervious film, colour White 141, applicable for the most demanding conditions and can sustain daily high pressure cleaning and disinfection with strong chemicals.

Installation: The system should be installed according to Ecophon installation diagram M259 or M260. The minimum height of installation should be according to the chosen installation method.

Visual appearance: The closest NCS colour of the white visible surface of the panels and the grids should be NCS S 1000-N. The baffle surface should have a light reflectance of 73%.

Acoustic absorption: The panel type Hygiene Advance Baffle should have the following practical sound absorption values, overall depth of system should be 600 mm:

	αp Practical sound absorption coefficient						αw
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
In rows	0,25	0,30	0,55	0,85	0,85	0,70	0,55
In rectangles	0,35	0,35	0,60	0,80	0,85	0,75	0,60

Test results according to EN ISO 354:2003

Fire safety: The baffles should be classified A2-s1, d0 according to EN 13501-1; the grid system should be A1. The glass wool core should be tested and classified as non-combustible according to EN ISO 1182.

Mechanical Stability: Panels should remain 100% stable in environments reaching up to 95% relative humidity and 30°C temperature. They should be tested according to EN 13964:2014, Annex F.

Indoor Health and Wellbeing: The baffles should comply with the French regulation on VOC emissions, A+ level. They should also be certified by the Finnish Building Information Group (RTS) with the M1 label. The panels should be free from Substances of Very High Concern (SVHC) above 100 ppm as defined by the European REACH regulation (No 1907/2006).

Circularity: Tiles and grids should be 100% recyclable.

CE marking: The baffle system should be CE-marked according to the harmonised standard EN 13964:2014 ("Suspended ceilings, requirements and tests methods"), with relevant Declarations of Performance (DoPs) issued.

Cleaning: The baffles should withstand daily dusting, vacuum cleaning, wet wiping, low pressure cleaning, steam cleaning and the use of hydrogen peroxide vapour. The baffles should also be resistant to daily high pressure cleaning. Detailed cleaning protocols to be followed are available on ecophon.com.

Surface Endurance: The baffles should be able to withstand 200 scrubbing cycles, tested according to ISO 11998.

Chemical Resistance and Disinfection: The baffles should withstand the use of Formalin, Ammoniac, Hydrogen peroxide, Sulfuric acid, Phosphoric acid, Peracetic acid, Hydrochloric acid, Isopropanol, Sodium hydroxide and Sodium hypochlorite. Resistance tested according to ISO 2812-1 and classified according to ISO 4628-1 and VDI 2083 Part 17 with result 'excellent' for each chemical.

Clean Room: The baffles should be classified as ISO 3 in standard conditions according to ISO 14644-1:2015. The baffles should be approved for rooms of risk zone 4 according to NF S90-351 and should also be verified to meet particle elimination kinetics corresponding to CP(0,5)1.