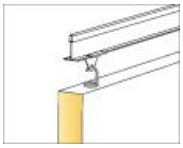
ECOPHON FOODTEC BAFFLE

Visual design edge



The system should consist of glass fibre acoustic free-hanging units Ecophon Hygiene Foodtec Baffle in dimension 1200x600x50mm, hanging vertically and installed with Ecophon Connect grid system: Connect T24 Main runners C3 suspended every 1200mm with Connect Adjustable hanger C3, and Connect T24 Cross tees C3 of 600mm length. The baffle consist of Ecophon Hygiene Foodtec™ Baffle with Hook and Akutex™ HS surface on both sides. The edges are straight cut and painted. Ecophon Hygiene Foodtec™ Baffle system is easily demountable.

The weight of the system (including suspension grid) should be approximately 5 kg/m². Both sides of the panel should feature the Akutex™ HS, colour White 500, water-based painted, easy-to-clean surface for areas with high humidity, and high demands for wet cleaning. The edges should be painted.

Installation: The system should be installed according to Ecophon installation diagram M263 or M264. 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 S 0500-N. The baffle surface should have a light reflectance of 84%.

Acoustic absorption: The panel type Hygiene Foodtec Baffle should have the following sound absorption values:
Sound absorption coefficient. Overall depth of system, 600 mm.

	αp Practical sound absorption coefficient						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	αw
In rows	0,40	0,35	0,70	0,85	0,80	0,80	0,65
In rectangles	0,50	0,40	0,70	0,80	0,80	0,75	0,70

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).

Environmental Footprint: Lifecycle assessment (LCA) of the baffles should be performed according to EN 15804 and ISO 14025 and should be third-party verified in an Environmental Product Declaration (EPD). CO_2 emissions of a panel during its lifetime should not exceed 6.68 kg CO_2 equiv / m².

Circularity: The minimum post-recycled content of baffles should be 57%. 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 and vacuum cleaning. The baffles should withstand wet wiping, low pressure cleaning, steam cleaning and the use of hydrogen peroxide vapour. The baffles should also be resistant to 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 Isopropanol, Divodes FG VT29, Suredis VT1, Chlorine and Sprint 200 Free. Resistance tested according to ISO 11998.