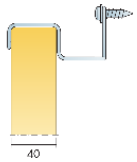
HYGIENE PERFORMANCE WALL

Visual design edge



The wall absorber should consist of glass fiber wall panels Ecophon Hygiene Performance Wall with straight edge design. Format 1200 x 600 x 40mm installed with Ecophon Connect Wall fixing C3.

The weight of the system (including profile system) should be approximately 3 kg/pcs. 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 guides M467.

Visual appearance: The closest NCS colour of the white visible surface of the panels and the grids should be S 0500-N. The panel surface should have a light reflectance of 84%.

Acoustic absorption: The wall absorber should be of sound absorption class A, should have a weighted sound absorption coefficient αw of 1.00 and octave band practical sound absorption coefficients (overall depth of system: 80 mm) of:

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0.35	0.85	1.00	1.00	1.00	0.95

Values should be measured according to EN ISO 354 and classification according to EN ISO 11654.

Fire safety: The wall panels should be classified A2-s1, d0 according to EN 13501-1; the wall fixing 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 wall panels 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).

Mould and Bacterial Resistance: Ceilings panels should have mould and bacterial resistance classification 0 from method A and C according to ISO 846.

Environmental Footprint: Lifecycle assessment (LCA) of the wall panels 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 6.76 kg CO_2 equiv / m².

Circularity: The minimum post-recycled content of the panels should be 57%. Panels and grids should be 100% recyclable.

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

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

Chemical Resistance and Disinfection: The ceiling tiles should withstand the use of Actichlor plus, LifeClean, Etanol, Chlorine, Virkon S, Isopropanol, Oxivir Excel, Sumabac D10, Suredis VT1, Enduro Chlor VE5 and Aciplusfoam VF59. Resistance tested according to ISO 11998.

Clean Room: The wall panels should be classified as ISO 4 in standard conditions according to ISO 14644-1:2015. The wall panels should be approved for rooms of risk zone 4 according to NF S90-351.