HYGIENE PERFORMANCE CARE WALL

Visual design edge

The wall absorber should consist of glass fiber wall panels Ecophon Hygiene Performance Care Wall (edge A) with straight edge design. Format 2700x1200x40 mm installed with Ecophon Connect Thinline Profile.

The weight of the system (including profile system) should be approximately 5 kg/m². The visible surface of the wall panel tile should be a reinforced Akutex™ HS surface, colour White 500, water-based painted, easy-to-clean surface. The edges should be primed.

Installation: The system should be installed according to Ecophon installation guide M461.

Visual appearance: Nearest NCS colour is S 0500-N, light reflectance 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: 50 mm) of:

THK mm	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	0.20	0.75	1.00	1.00	1.00	1.00

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 profile system should be A1. The glass wool core should be tested and classified as non-combustible according to EN ISO 1182.

Mechanical Stability: Wall 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: Wall panels should have mould and bacterial resistance classification 0 from method A and C according to ISO 846.

Circularity: The minimum post-recycled content of wall panels should be 52,7%. Tiles and grids should be 100% recyclable.

Cleaning: The wall panels should withstand daily dusting and vacuum cleaning. The panels should withstand wet wiping, steam cleaning and the use of hydrogen peroxide vapour. 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 wall panels 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 panels should be approved for rooms of risk zone 4 according to NF S90-351.