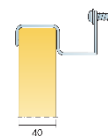**HYGIENE ADVANCE WALL**   **Visual design edge**

The wall absorber should consist of glass fiber wall panels Ecophon Hygiene Advance Wall with straight edge design. Format 1200x600x40 mm installed with Ecophon Connect Wall fixing C3.

The weight of the system (including profile system) should be approximately 3 kg/pcs. 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 guides M258.

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

Acoustic absorption: The wall absorber should be of sound absorption class B, should have a weighted sound absorption coefficient αw of 0.85 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
0.25	0.75	0.90	0.95	0.90	0.65

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).

Circularity: 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, vacuum cleaning, wet wiping, low pressure cleaning, steam cleaning and the use of hydrogen peroxide vapour. The panels should also be resistant to daily 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 wall panels 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 wall panels should be classified as ISO 3 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 and should also be verified to meet particle elimination kinetics corresponding to CP(0,5)1.