

AKUSTO ONE

Visual design edge



The wall absorber should consist of glass fiber wall panels Ecophon Akusto One (edge A) with straight edge design. Format 1192x592x40 mm, 1192x292x40 mm, 592x592x40 mm, Ø592x40 mm, Ø792x40 mm and Ø1192x40 mm installed with Ecophon Connect system: Connect One trim, Connect One hook fixing and, for circles also Connect One fixing.

The weight of the system (depending on size and including profile system) should be approximately 2,0 – 4,5 kg. The visible surface of the wall panel tile should be either Akutex™ FT, colour White Frost, painted surface with water-based paint or Texona, colour sea salt, glass fiber based woven surface.

Installation: The system should be installed according to Ecophon installation guides M371 or M372.

Visual appearance: For Akutex™ FT, colour white Frost, nearest NCS colour is S 0500-N, light reflectance 85%. For Texona, colour sea salt, nearest NCS colour is S 0500-N, light reflectance 81%.

Acoustic absorption: The wall absorber should have equivalent absorption area per unit (m² sabin, overall depth of system: 48 mm) of:

Format	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø592	0.0	0.2	0.5	0.6	0.4	0.4
Ø792	0.1	0.4	0.8	0.8	0.7	0.6
Ø1192	0.3	0.9	1.5	1.6	1.4	1.4
592x592	0.1	0.3	0.6	0.6	0.5	0.5
1192x292	0.1	0.3	0.6	0.6	0.5	0.5
1192x592	0.2	0.6	1.0	1.1	1.0	0.9

Values should be measured according to EN ISO 354.

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).

Circularity: The minimum post-recycled content of wall panels should be 65% for product with Texona surface and 64% for product with Akutex FT surface. Wall panels should be 100% recyclable.

Maintenance: Daily dusting, vacuum cleaning and weekly wet wiping if Akutex™ FT surface is used. Weekly dusting and vacuum cleaning if Texona surface is used.