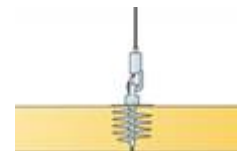


## ECOPHON SOLO RECTANGLE AKUTEX HS



The system should consist of glass fibre acoustic free-hanging units Ecophon Solo Rectangle in dimensions 2400x1200x40 mm, and 1800x1200x40 mm hanging horizontally, with a weight of approximately 7 – 14 kg. The panels should be installed using Connect Adjustable Hanger C4.

Both sides of the panel should feature the Akutex™ HS, colour White 500, water-based painted surface for areas with high humidity and occasional direct water. The edges should be straight and painted.

**Installation:** The system should be installed according to Ecophon installation diagram M436C4 and M441C4.

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

**Acoustic absorption:** The acoustic performance of the Ecophon Solo panels should be measured in Absorption Equivalent Area (Aeq, m<sup>2</sup>Sabin per unit) according to EN ISO 354.

Solo	THK mm	o.d.s mm	Absorption Equivalent Area (Aeq, m <sup>2</sup> Sabin per unit)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
2400x1200	40	400	1,10	2,40	3,20	4,60	4,60	4,30
2400x1200	40	1000	0,70	2,20	3,60	5,40	5,30	4,90
1800x1200	40	400	0,80	1,80	2,60	3,60	3,70	3,60
1800x1200	40	1000	0,50	1,60	2,90	4,20	4,30	4,20

**Accessibility:** The panels should be removable and the secured connection of the hooks to the anchors should prevent any accidental detachment.

**Fire safety:** The ceiling tiles should be classified A2-s1, d0 according to EN 13501-1; the suspension 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:** Ceilings 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 ceiling tiles should be 62%. Tiles should be 100% recyclable.

**CE marking:** The ceiling 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.

**Maintenance:** Daily dusting and vacuum cleaning. Weekly wet wiping.