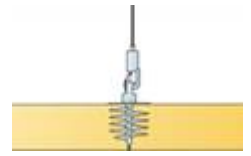


ECOPHON SOLO CIRCLE



The system should consist of glass fibre acoustic free-hanging units Ecophon Solo Circle in dimensions Ø1200x40 mm and Ø 800x40 mm hanging horizontally, with a weight of approximately 2 – 4,5 kg. The panels should be installed using of the following systems: Connect Adjustable wire hangers, Connect One-point fixing or Connect Absorber brackets - all in combination with the Connect Absorber anchor (patented) to give the possibility to create several layers and angles.

Both sides of the panel should feature the Akutex™ FT surface, colour White Frost, a painted surface with water-based paint. The edges should be straight and painted.

Installation: The system should be installed according to Ecophon installation diagram M411. The minimum height of installation should be according to the chosen installation method.

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 85% and gloss level below 1.

Acoustic absorption: The acoustic performance of the Ecophon Solo panels should be measured in Absorption Equivalent Area (Aeq, m²Sabin per unit) according to EN ISO 354.

Solo	THK	o.d.s	Absorption Equivalent Area (Aeq, m ² Sabin per unit)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø 800 mm	40	200	0,00	0,40	0,80	1,00	1,00	0,80
Ø 800 mm	40	400	0,10	0,40	0,70	1,10	1,10	1,00
Ø 800 mm	40	1000	0,20	0,30	0,80	1,20	1,20	1,10
Ø 1200 mm	40	200	0,30	1,00	1,60	1,90	1,90	1,60
Ø 1200 mm	40	400	0,40	0,90	1,40	2,10	2,10	1,90
Ø 1200 mm	40	1000	0,30	0,80	1,50	2,30	2,30	2,10

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 57%. 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.