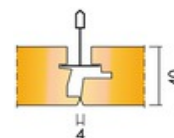


## MASTER DS

### Visual design edge



The ceiling should consist of suspended glass fiber ceiling panels Ecophon Master (edge Ds) with a concealed grid and symmetrical edge design, with the beveled edges forming a discreet groove between the tiles. Panels available in format 600x600x40 mm installed with Ecophon Connect grid system: Connect T24 Main runners HD suspended every 1200 mm with Connect Adjustable hanger C1, and Connect Space bar every 1500 mm and Connect T24 Cross tee of 600 mm length.

The weight of the system (including suspension grid) should be approximately 6 kg/m<sup>2</sup>. The visible surface of the ceiling tile should be Akutex™ FT, colour White Frost, painted surface with water-based paint. The edges should be painted. Connect grid system colour should be Connect White 01.

**Installation:** The system should be installed according to Ecophon installation guides M236 or M242. Edges of cut perimeter tiles should be coated with Edge Sealant. The panels should be easily removable. The minimum height of demountability should be according to the chosen installation method.

**Visual appearance:** The closest NCS colour of the white visible surface of the panels and the grids should be S 0500-N. The ceiling surface should have a light reflectance of 85% and gloss level below 1.

**Acoustic absorption:** The ceiling should be of sound absorption class A, should have a weighted sound absorption coefficient  $\alpha_w$  of 0,90 and octave band practical sound absorption coefficients) of:

o.d.s mm	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
95	0.40	0.85	0.85	0.90	1.00	1.00
200	0.55	0.70	0.75	0.90	1.00	1.00

Values should be measured according to EN ISO 354 and classification according to EN ISO 11654.

**Articulation Class:** At the level of intelligibility, the ceiling should have an articulation class AC (1.5) = 200 according to ASTM E 1111 and E 1110.

**Fire safety:** The ceiling tiles should be classified A2-s1, d0 according to EN 13501-1; the grid 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 90% 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 63%. Tiles and grids 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.