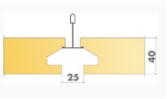
MASTER Eg

Visual design edge 

The ceiling should consist of suspended glass fiber ceiling panels Ecophon Master (edge Eg) conceals the support edges of the tile due to black painted edge and creates a distinctive floating appearance, in format 600x600x40 mm, 600x1200x40 mm, 1200x1200x40 mm and 600x2400x40 mm installed with Ecophon Connect grid system: Connect T24 Main runners suspended every 1200 mm with Connect Adjustable hanger C1, and Connect T24 Cross tees of 1200 mm and 600 mm length.

The weight of the system (including suspension grid) should be approximately 5 kg/m². 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 in white and black. Connect grid system colour should be Connect Black 01 matt.

Installation: The system should be installed according to Ecophon installation guides M498, M499 or M500. 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 should be S 0500-N and the grids should be S 9000-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 αw of 0.95 and octave band practical sound absorption coefficients (overall depth of system: 200 mm) of:

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
0.45	0.80	0,85	0.95	1.00	1.00

Values should be measured according to EN ISO 354 and classified 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 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 and Eurofins Indoor Air Comfort. 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).

Environmental Footprint: Lifecycle assessment (LCA) of the ceiling panels should be performed according to EN 15804 and ISO 14025 and should be third-party verified in an Environmental Product Declaration (EPD). CO_2 emissions of a panel during its lifetime should not exceed 6,10 kg CO_2 equiv / m².

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.