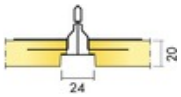
MASTER RIGID E

Visual design edge



The ceiling should consist of suspended glass fiber ceiling panels Ecophon Master Rigid (edge E) with tegular edge design, creating a ceiling with a shadow effect that accentuates each tile and partially conceals the grid system, every tile should be secured in the grid by a clips. Format 600x600x20 mm, 1200x600x20 mm, 1200x1200x20 mm, installed with Ecophon Extra Bass, a glass fiber ceiling panel fully encapsulated in micro perforated plastic film in format 1200x600x50 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 and Connect Hold down clips E.

The weight of the system (including suspension grid and Extra Bass) should be approximately 3,5 kg/m². The visible surface of the ceiling tile should be Akutex™ FT, colour White Frost, reinforced surface, 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 M317EB. Edges of cut perimeter tiles should be coated with Edge Sealant. The panels should be 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 αw of 1,00 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**
Without Extra Bass	0.50	0.85	0,90	1.00	1.00	1.00
With Extra Bass	0.75	0.95	1.00	1.00	1.00	1.00
Gamma	0.45	0.30	0.20	0.35	0.20	0.20

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

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.

Impact Resistance: The ceiling should be classified for impact resistance Class 3A according to EN 13964 annex D.

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 58%. 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.