

Ecophon Fade™ Duo acoustic plaster – Material & specification description

Acoustic ceiling:

- Seamless acoustic ceiling must be Fade Duo acoustic plaster with a fine finish.

Acoustic board:

- The acoustic board must be produced using a minimum 65% minimum post-consumer recycled content mainly from recycled glass bottles and jars.

Acoustic plaster finish / Seamless acoustic ceiling finish:

- Two acoustic plaster coats with a fine texture finish, anti-static, microporous acoustic plaster
- Acoustic plaster must be the used in all coats and in filling of joints and irregularities.
- Acoustic plaster to be used also in joint fillings, maximizing the acoustics area.
- Light reflectance of the acoustic plaster must be 80%
- Standard colour of the acoustic plaster must be White NCS S 0502-Y20R, Gloss < 1
- The acoustic plaster must be able to be mixed with a colour additive before application.

Indoor climate:

- Must comply with the French regulation on VOC emissions, A+ level
- Must comply with Finsh M1 certificate

Durability and maintenance:

- The acoustic plaster finish must not show visible changes in colour when exposed of direct UV as per ASTM G 154-16
- The product must have a resistance to humidity (RH 100%, 40°C) - ISO DS/EN 6270-2
- The acoustic plaster can be repaired and re-sprayed.

Sustainability

- The carbon footprint for the acoustic plaster and acoustic board must be between 4–7.4 kgCO₂eq (A1-A3)
- The acoustic plaster must have achieved the Cradle to Cradle certification on Silver level.

Fire rating:

- A2s1d0 as per ISO EN 13501-1

Acoustic Absorption:

- Acoustic measurements should be done according to EN ISO 354 and classified according to EN ISO 11654, and the single value rating for Noise Reduction Coefficient, NRC, according to ASTM C 423.
- The ceiling should have a weighted sound absorption coefficient α_w of minimum 0.8 with 25 mm (overall depth of system: 30mm) or 0.9 α_w with 40 mm acoustic board (overall depth of system: 45 mm).

Suitable substrates:

- Regular gypsum wallboard, MF metal drywall grid system 400 mm c/c or similar, concrete, previously painted substrates, timber/steel frame 400 mm c/c.