Ecophon Clipso™ So Acoustic Antibacterial – specification text

Technical fabric
The technical fabric should be technical knit fabric with a polyurethane coating.
The fabric should have a Sanitized® antimicrobial protection that eliminates harmful microorganisms and provides a barrier against contamination.

Acoustic board
The acoustic board must be a mineral wool acoustic panel with a white or natural front surface, with a minimum post-consumer recycled content of 60% (20mm thickness) or 66% (40mm thickness). Alternatively, a white PET fiber absorber of 10 mm or 50 mm can be used.

Installation
Installation should be done according to Ecophon installation diagram M565 (ceiling installation with sound absorber), M566 (wall installation) or M571 (ceiling installation without sound absorber).

The installation consists of a combination of a technical knit technical fabric with a uniform coating and an acoustic absorbent
The technical fabric should be installed by being stretched by a discrete PVC profile fixed in the room's perimeter. The acoustic absorbent is fixed directly to the soffit.
The fabric should be stretched without heating.

Visual appearance
The visible surface is a knitted textile that is coated to provide a highly resistant fabric. The closest RAL color of the white visible surface should be RAL 9016. Surface should be matt, smooth and uniform.

Acoustic absorption

If ceiling installation:
The ceiling should have a weighted sound absorption coefficient aw of 1.0 with 50 mm PET absorber at ods 55mm or 0.95 with a 40mm glasswool absorber at ods 200mm .

If wall installation:
The wall installation should have a weighted sound absorption coefficient aw of minimum 0,50 with 10 mm absorber at ods 10mm.
Values should be measured according to EN ISO 354 and classified according to ISO 11654.

Fire safety
The technical fabric should be classified B-s1, d0 according to EN 13501-1.

Indoor health and wellbeing
The technical fabric should comply with the French regulation of VOC emissions, A+ level. The technical fabric should comply with Eurofins indoor air comfort (IAC) Gold.

If PET absorber is used, it should comply with French regulation of VOC emissions, A+ level.

If glass wool absorber is used it should comply with French regulation of VOC emissions, A level and Eurofins indoor air comfort IAC.

System weight
Area weight 230 g/m² ± 10% (ISO 2286-2)

CE marking
Technical fabric should be CE-marked according to the European harmonized standard EN14716:2005. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

Maintenance and cleaning
Product should be possible to clean with pH-neutral cleaning agents on a soft cloth, steam cleaning, UV-C disinfection, BIFMA HCF 8.1-2019.
Product tested according to ISO 11998, and withstand 200 cycles.
Product tested according to ISO 11998 and withstand the following chemicals or disinfectants: Ethanol (conc 70%), Virkon S (conc 1%), Isopropanol (conc 70%), AnioxySpray (conc 5%) and Sumabac D10 (conc 1%).

Mold and bacteria resistance
Technical fabric should have mold and bacterial resistance classification 0 from method A and C according to ISO 846.

Clean room
Product should fulfill following standards:
Particle cleanliness class ISO 14644: Class 4
Microbiological class NF S 90-351: M1/area 4
Particle elimination kinetics NF S 90-351: CP(0,5) 5

Humidity resistance
Dimensional stability under the action of humidity for the technical fabric should according to standard EN 14716 (appendix C) be 0% (MD), 0% (CMD)
Dimensional stability under the action of heat for the technical fabric should according to standard EN 12280-1 (30 min, 60°C) be 0% (MD), 0% (CMD).
Water vapor transmission rate for the technical fabric should according to standard ISO 2528 (38°C, 90% RH) be 1084 g/m²