

ECOPHON

SOLOTM

BERIBĒ IŠRAIŠKOS LAISVĒ



04 **APIE ECOPHON**

06 **GERA AKUSTIKA SVARBI VISUR**

08 **TVARIOS AKUSTIKOS LINK**

10 **BERIBĖ IŠRAIŠKOS LAISVĖ SU ECOPHON SOLO™**

12 **ECOPHON SOLO™ GAMINIŲ ASORTIMENTAS**

- 14 Solo Square
- 14 Solo Rectangle Line
- 15 Solo Rectangle
- 16 Solo Circle
- 17 Solo Circle XL
- 18 Solo Textile
- 18 Solo Freedom
- 19 Solo Cloud
- 19 Solo Ellipse
- 20 Solo Triangle
- 20 Solo Pentagon
- 21 Solo Hexagon
- 21 Solo Baffle
- 22 Solo Baffle Wave
- 22 Solo Baffle ZigZag
- 23 Solo Baffle Wall
- 23 Solo Matrix

24 **ECOPHON SOLO™ GAMINIŲ APŽVALGA**

26 **SPALVOS IR PAVIRŠIAUS DANGOS**

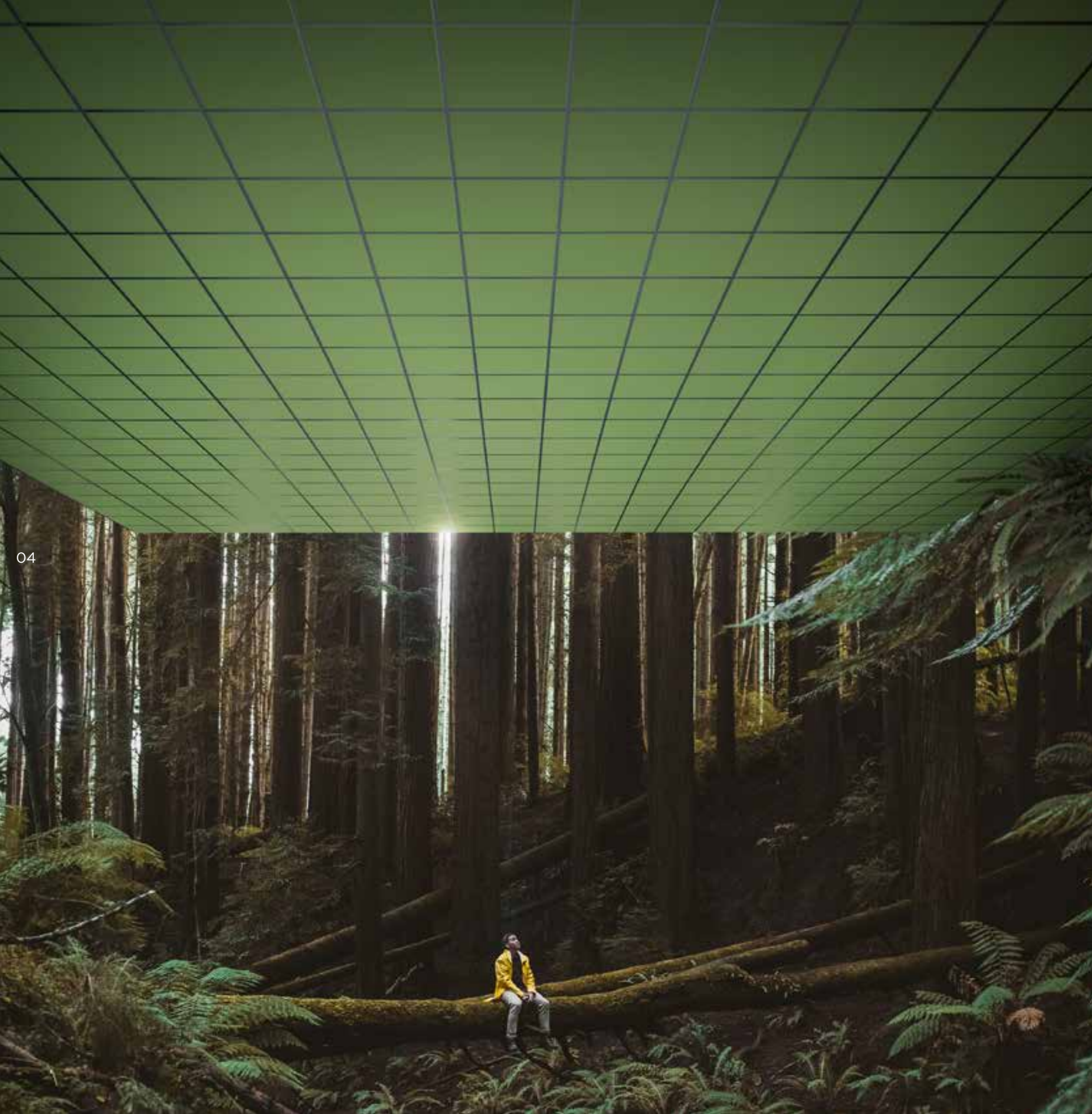
28 **MONTAVIMO BŪDAI**

28 **SISTEMOS SAVYBĖS**

Akustika, techninės savybės ir montavimo schemas

Šiame leidinyje pristatomi Ecophon asortimento, taip pat ir kitų tiekėjų siūlomigaminiai. Techniniai duomenys pateikiami kaip bendrosios rekomendacijos, padedančios išsirinkti tinkamiausius produktus. Minėti duomenys grindžiami tipinėmis sąlygomis atliktų bandymų rezultatais arba ilgalaikę patirtimi naudojant gaminius įprastoje aplinkoje. Produktų ir sistemų funkcijos bei ypatybės atitiks nurodytas tik tada, jeigu bus atsižvelgiama ir laikomasi atitinkamų nurodymų, montavimo schemų, montavimo vadovų, techninės priežiūros instrukcijų ir kitų sąlygų bei rekomendacijų. Jeigu to nesilaikoma, pavyzdžiui, pakeičiami tam tikri komponentai arba gaminiai, įmonė Ecophon neatsako už tokių produktų funkcijas, savybes ar naudojimo pasekmes. Visi šioje brošiūroje pateikti aprašymai, iliustracijos ir matmenys yra tik informacinio pobūdžio ir nereiškia jokios sutarties. Ecophon pasilieka teisę keisti produktus be išankstinio perspėjimo. Mes taip pat neprisiimame atsakomybės už spausdinimo klaidas. Naujausios informacijos ieškokite svetainėje www.ecophon.com/lt arba kreipkitės į artimiausią Ecophon atstovą.





GARSO POVEIKIS

ŽMONĖMS

Saint-Gobain Ecophon padeda užtikrinti gerą darbui, gydymui ir mokymuisi skirtų patalpų aplinką. Tai darome projektuodami, gamindami ir tiekdami akustinius produktus bei sistemas, sukurtus atsižvelgiant į natūralią žmogaus klausos evoliuciją – patalpose siekiame atkurti lauke skambančio garso patyrimą, nes būtent toks garsas maloniausias žmogaus ausiai.

Mes siekiame visais įmanomais būdais užtikrinti tvarų poveikį žmonių gerovei ir tuo didžiuojamės. Būtent todėl aiškiai pabrėžiame geros patalpų akustikos svarbą žmonių gerovei – ji svarbi bet kokioje erdvėje, užsiimant bet kokia veikla ir tenkinant įvairiausius poreikius.

GERA AKUSTIKA

SVARBI VISUR

Akustikos svarba vis dar nepakankamai suvokiama. Juk garsas daro didelį poveikį mūsų kasdienybei – dokumentuota daugybė mokslinių faktų, kurie patvirtina, kokia yra svarbi gera akustinė patalpų aplinka.

Tad kokia akustinė patalpų aplinka yra tinkamiausia žmonėms? Viena vertus, ji priklauso nuo to, kaip mes patiriame garsą būdami lauke. Žmogaus klausa natūraliai pritaikyta prie lauko aplinkos, kurioje nėra jokių garso atspindžių nuo lubų ir sienų.

Taigi Ecophon deda dideles pastangas, siekdama patalpose atkurti gamtai būdingas garso ypatybes. Norėdami pagerinti eksploatacines savybes ir naudotojų gerovę, siekiame optimaliai pritaikyti vidaus patalpas, kad jose garsas skambėtų kuo natūraliau mūsų klausai, o kalba ir kiti garsai būtų lengvai girdimi ir suprantami.

Kelionė šio tikslo link paprastai prasideda nuo lubų. Vientisos akustinės lubos – lengviausias būdas erdvėje sumontuoti didelį garsą sugeriantį paviršių ir, dažniausiai, geriausias būdas sumažinti garso stiprumą, sutrumpinti aidėjimo trukmę, pagerinti kalbos aiškumą ir bendrąjį klausymosi komfortą.





LINK

TVARIOS AKUSTIKOS

Tvarumas yra daugiau nei žodis – tai kolektyvinis judėjimas, reikalaujantis sąžiningo įsipareigojimo ir nuoširdaus rūpinimosi, kuriuo siekiama apsaugoti žmones ir planetą. Būtent todėl Ecophon, be kita ko, naudoja kokybiškesnes medžiagas, siekia užtikrinti skaidrumą ir laikosi tvarumo principų.

Mes aktyviai remiame viso mūsų sektoriaus siekį parengti standartizuotas, lengvai prieinamas aplinkosaugines gaminių deklaracijas, skirtas atskiriems produktams, o ne jų grupėms. Į tokias deklaracijas turėtų būti įtraukta informacija, apimanti visą produkto gyvavimo ciklą – nuo žaliavų įsigijimo iki gyvavimo pabaigos, o ne tik palankius etapus. Taip pat turėtų būti atsisakoma ženklelių, suteikiamų remiantis gamintojo deklaracijomis, arba nepriklausomai nepatikrintų teiginių apie tvarumą. Visi pažadai dėl tikslų neišskirti į aplinką anglies dioksido turėtų būti patvirtinti Mokslu pagrįstų tikslų iniciatyvos.

Jei ketiname kurti tvarią ateitį, turime pradėti nuo sąžiningo požiūrio, didelių užmojų ir geriausių ketinimų bei kartu siekti geresnių rezultatų.



ECOPHON SOLO™

BERIBĖ IŠRAIŠKOS LAISVĖ

Niekada iš mados neišeinančios plokštės Ecophon Solo dizaineriams suteikia laisvę išreikšti savo sumanymus pasitelkiant naujas įspūdingas formas. Visos laisvai kabančios plokštės ir sistemos yra 40 mm storio, skirtingų formų, spalvų ir dydžių, taigi puikiai tinka norint įgyvendinti menines idėjas.

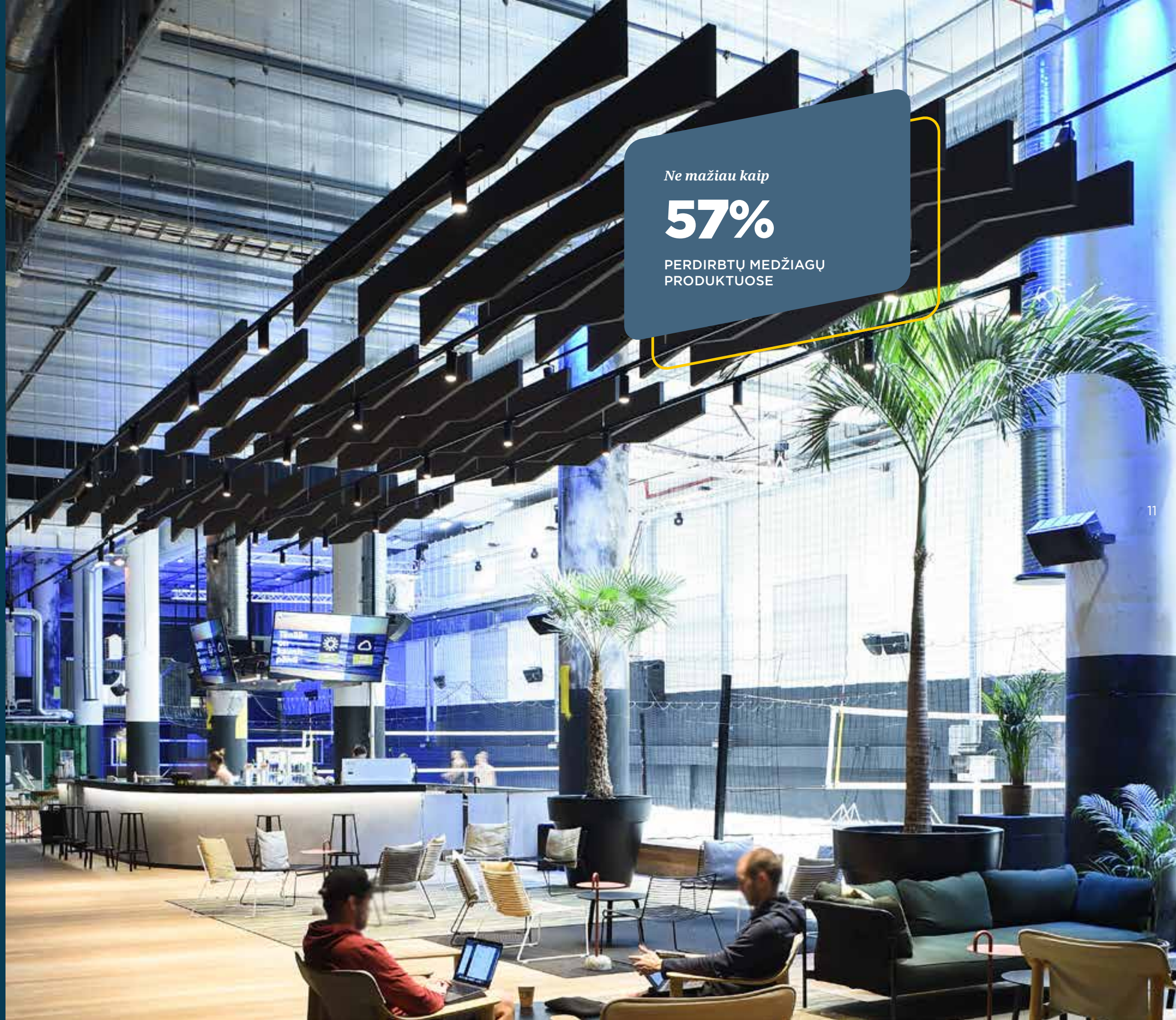
- Išskirtinės akustinės savybės
- Galima rinktis iš įvairių formų
- Įvairiausios spalvos, dydžiai ir paviršiaus dangos atveria neribotas dizaino galimybes

Solo plokštės puikiai tinka projektams, kai juos įgyvendinant negalima ar nenorima montuoti lubų nuo sienos iki sienos arba kai reikia jas patobulinti. Nepamirškite šių plokščių, projektuodami vestibulius, atrijus, gerindami istorinių pastatų, restoranų ar prekybos centrų akustiką ir t. t. Kabamieji Ecophon Solo elementai, sumontuoti tiesiai virš darbo zonų, registratūrų ir informacijos salelių, taip pat kitose strateginėse patalpos vietose, gerokai pagerina kalbos aiškumą, klausymosi ir akustinį komfortą.

Ne mažiau kaip

57%

PERDIRBTŲ MEDŽIAGŲ
PRODUKTUOSE



ECOPHON SOLO™ GAMINIŲ ASORTIMENTAS

Galite rinktis iš įvairiausių mūsų siūlomų Solo plokščių formų, dydžių ir spalvų, o naudodamiesi Solo Freedom susikurti unikalų Solo plokštės dizainą arba išbandyti Solo Textile.

Nuo lubų besileidžiančios plokštės gali būti naudojamos formuojant ryškias linijas, vilnijančias bangas ar zigzagų raštus. Sumontuotos ant sienų, jos suteikia įdomių kontūrų ir gylio įspūdį bet kokiai erdvei. Šias plokštes paprasta montuoti ir jos džiugina akį

Na, o paskutinis elementas tobulinant laisvai kabančią sistemą gali būti Solo Matrix – tai sistema, kuri tiksliai užfiksuoja plokštes ir padeda išlaikyti plūdriųjų, laisvai kabančių lubų įspūdį.

SOLO SQUARE

1200x1200x40



SOLO CIRCLE

Ø 800x40

Ø 1200x40



SOLO FREEDOM

≤ 2400x1200x40



SOLO RECTANGLE

1800x1200x40

2400x600x40

2400x1200x40

3000x1200x40



SOLO CIRCLE XL

Ø 1600x40



SOLO CLOUD

1200x553x40

2400x1106x40



Mažesnis

CO₂

IŠSKIRTINĖS ŽALIAVOS
IR PLAČIAI NAUDOJAMA
ATSINAUJINANČIOJI ENERGIJA

SOLO ELLIPSE

2400x1000x40



SOLO PENTAGON

1139x1198x40



SOLO BAFFLE

1200x200x40

1200x300x40

1200x600x40

1800x200x40

1800x300x40

1800x600x40



SOLO BAFFLE ZIGZAG

1800x300x40

1800x600x40



SOLO MATRIX

MODULES:

600x1200x40

600x2400x40

1200x1200x40

2400x1200x40

ROWS:

600x1040x40

1200x1040x40

2400x1040x40



SOLO RECTANGLE LINE

2400x1200x40



SOLO TRIANGLE

1039x1200x40



SOLO HEXAGON

1040x1200x40



SOLO BAFFLE WAVE

1800x300x40

1800x600x40



SOLO BAFFLE WALL

1200x200x40

1200x300x40



SOLO TEXTILE

1200x1200x40





SOLO SQUARE

Kurdami dizainą galite rinktis iš įvairių spalvų ir trijų skirtingų kabinimo sistemų.



SOLO RECTANGLE

Įvairiausi dydžiai ir spalvos atveria beribes dizaino galimybes. Galima rinktis iš trijų skirtingų kabinimo sistemų.



SOLO RECTANGLE LINE

Išskirtinumo jūsų projektui suteiks galingas integruotas įleidžiamasis šviestuvas.





SOLO CIRCLE
Kurdami dizainą galite rinktis iš įvairių spalvų ir trijų skirtingų kabinimo sistemų.



SOLO CIRCLE XL
Didelis spalvų pasirinkimas suteikia galimybę įgyvendinti įvairiausių dizaino projektus. Didelis apskritimas, sudarytas iš dviejų pusapskritimių.





SOLO TEXTILE

Daili plokštė, visiškai padengta tekstiline danga. Siūlome skirtingų spalvų.



SOLO CLOUD

Siūlome skirtingų spalvų ir dviem standartiniais dydžiais.



18

19



SOLO FREEDOM

Galite užsakyti specialiai jūsų dizaino projektui pritaikytas formas. Siūlome skirtingų spalvų.



SOLO ELLIPSE

Siūlome skirtingų spalvų.





SOLO TRIANGLE
Siūlome skirtingų spalvų.



SOLO HEXAGON
Siūlome skirtingų spalvų.



SOLO PENTAGON
Siūlome skirtingų spalvų.



SOLO BAFFLE
Didelis spalvų ir dydžių pasirinkimas leidžia įgyvendinti įvairiausius vertikaliai montuojamų plokščių dizaino projektus.





SOLO BAFFLE WAVE

Atverkite dizaino galimybes, derindami skirtingų spalvų bangos formos vertikaliai kabinamas plokštes.



SOLO BAFFLE WALL

Skirtingų spalvų prie sienos montuojamos plokštės suteikia gylio bet kokiai erdvei.



SOLO BAFFLE ZIGZAG

Atverkite dizaino galimybes, derindami skirtingų spalvų zigzago formos vertikaliai kabinamas plokštes.



SOLO MATRIX

Kurdami dizaino projektus nevaržykite vaizduotės. Kiekviena plokštė turi integruotą liuko funkciją ir gali būti lengvai išmontuojama.



MONTAVIMO BŪDAI

Plokštės Ecophon Solo galima montuoti įvairiais metodais – tai leidžia įgyvendinti skirtingoms lubų ir sienų sistemoms keliamus rinkos reikalavimus.

Nevaržykite vaizduotės – skirtingi montavimo būdai leis įgyvendinti įvairiausius sumanymus.

ECOPHON EL.ĮRANKIAI

Ecophon siūlo keletą naudingų priemonių ir paslaugų, pritaikytų skirtingiems statybos proceso etapams, pradedant nuo įkvėpiančių idėjų ir baigiant jūsų pasirinktų Ecophon produktų techninės priežiūros instrukcijomis.

Peržiūrėti daugiau informacijos ir išbandyti mūsų el. įrankius galite svetainėje

www.ecophon.com/lt



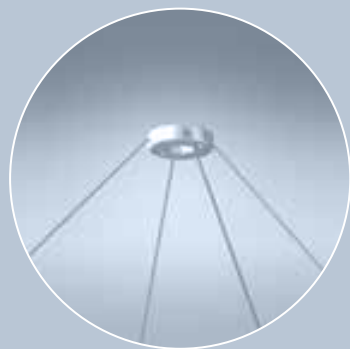
TIESIOGINIS MONTAVIMAS prie lubų naudojant Connect Absorber Bracket ir Connect Absorber Anchor tvirtinimo detales.

Detales galima rinktis 50–70 mm ir 70–90 mm ilgių.



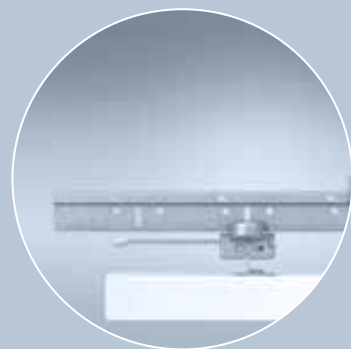
KABINIMAS NAUDOJANT TROSUS reguliuojami Connect Adjustable Wire Hanger.

Taip pat gali būti kabinama iki 45° kampu arba keliais lygiais.



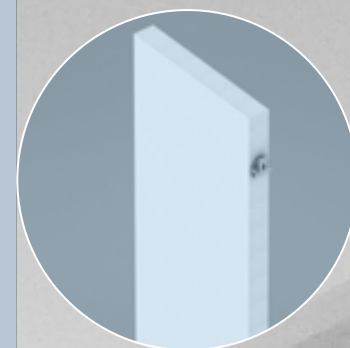
KABINIMAS TVIRTINANT VIENAM TAŠKE su Connect Absorber Anchor and Connect Adjustable Wire Hanger.

Šis kabinimo būdas yra minimalistinio dizaino ir sumažina fiksavimo taškų skaičių lubose.



SOLO MATRIX MONTAVIMĄ galima atlikti montuojant moduliais arba eilėmis, naudojant Connect konstrukciją. Iš anksto sumontuoti sraigtiniai inkarai ir fiksuojamoji jungtis click-in į Connect konstrukciją suteikia sistemai laisvai kabančių elementų įvaizdį ir konstrukcijos tikslumą.

Be to, galima rinktis skirtingų ilgių Connect Nonius Hangers detales.



VERTIKALIAI KABANČIOS PLOKŠTĖS ON gali būti montuojamos tiesiogiai naudojant Solo Baffle Anchor ir Connect Baffle profilius arba naudojant Connect Baffle Wall Fixing detalę.

Norint plokštės pakabinti, Solo Baffle Hook montuojama su Connect reguliuojamais kabinimo trosais arba Connect profiliais.

ECOPHON SOLO OVERVIEW

			MONTAVIMO BŪDAI								
FORMA	PRODUKTAS	DYDIS (MM)	TIESIOGIAI	PAKABINAMA NAUDOJANT TROSUS	PAKABINAMA ANT TROSŲ, ≤45° KAMPU	PAKABINAMA ANT TROSŲ, KE-LIAIS LYGIAIS	PAKABINAMA ANT TROSŲ, TVIRTINANT VIENAM TAŠKE	PAKABINAMA SU CONNECT PROFILIAIS	PAKABINAMA CONNECT KON-STRUKCIJOJE	TVIRTINANT PRIE SIENOS	PAVIRŠIUS
	Ecophon Solo Square	1200x1200x40	•	•	•	•	•				Akutex FT
	Ecophon Solo Rectangle	2400x600x40	•	•	•	•					Akutex FT
		1800x1200x40	•	•	•	•					
		2400x1200x40	•	•	•	•	•				
		3000x1200x40		•							
	Ecophon Solo Rectangle Line	2400x1200x40		•							Akutex FT
	Ecophon Solo Matrix (Modules)	600x1200x40							•		Akutex FT
		600x2400x40							•		
		1200x1200x40							•		
		2400x1200x40							•		
	Ecophon Solo Matrix (Rows)	600x1040x40							•		
		1200x1040x40							•		
		2400x1040x40							•		
	Ecophon Solo Circle	Ø 800x40	•	•	•	•					Akutex FT
		Ø 1200x40	•	•	•	•	•				
	Ecophon Solo Circle XL	Ø 1600x40		•							Akutex FT
	Ecophon Solo Freedom	≤2400x1200x40	•	•	•	•					Akutex FT
	Ecophon Solo Cloud	1200x553x40 2400x1106x40	•	•	•	•					Akutex FT
	Ecophon Solo Ellipse	2400x1000x40	•	•	•	•					Akutex FT
	Ecophon Solo Triangle	1039x1200x40	•	•	•	•					Akutex FT
	Ecophon Solo Pentagon	1139x1198x40	•	•	•	•					Akutex FT
	Ecophon Solo Hexagon	10340x1200x40	•	•	•	•					Akutex FT



Ecophon Akusto plokštės padeda sukurti sveiką patalpų aplinką, pasižyminčią puikia garso sugertimi, mažu į aplinką išskiriamu LOJ kiekiu, atitinkančiu griežčiausius norminių dokumentų reikalavimus, ir visišku cheminiu skaidrumu, kurį patvirtina Sveikatai palankaus produkto deklaracijos. Mažą mūsų Solo plokščių poveikį aplinkai patvirtina trečiųjų šalių išduotos atitikties aplinkosaugos reikalavimams deklaracijos (EPD)

Produktai neskatina ugnies plitimo, o Solo plokščių stiklo vatos sluoksnis buvo išbandytas pagal standartą EN ISO 1182 ir klasifikuojamas kaip nedegus. Atsparumo ugniai klasifikacija atitinka standartą EN 13501-1.

PASTABA
Daugiau informacijos apie gaminius ir sistemas, taip pat patarimų, kaip montuoti, bei tvarumą patvirtinančių dokumentų rasite svetainėje www.ecophon.com/lt.

ECOPHON SOLO OVERVIEW

			MONTAVIMO BŪDAI								
FORMA	PRODUKTAS	DYDIS (MM)	TIESIOGIAI	PAKABINAMA NAUDOJANT TROSUS	PAKABINAMA ANT TROSŲ, ≤45° KAMPU	PAKABINAMA ANT TROSŲ, KE-LIAIS LYGIAIS	PAKABINAMA ANT TROSŲ, TVIRTINANT VIENAM TAŠKE	PAKABINAMA SU CONNECT PROFILIAIS	PAKABINAMA CONNECT KON-STRUKCIJOJE	TVIRTINANT PRIE SIENOS	PAVIRŠIUS
	Ecophon Solo Baffle	1200x200x40	•	•				•			Akutex FT
		1200x300x40	•	•				•			
		1200x600x40	•	•				•			
		1800x200x40	•	•				•			
		1800x300x40	•	•				•			
		1800x600x40	•	•				•			
	Ecophon Solo Baffle Wave	1800x300/200x40	•	•				•			Akutex FT
		1800x600/300x40	•	•				•			
	Ecophon Solo Baffle ZigZag	1800x300/200x40	•	•				•			Akutex FT
		1800x600/300x40	•	•				•			
	Ecophon Solo Baffle Wall	1200x200x40								•	Akutex FT
		1200x300x40								•	



Ecophon Akusto plokštės padeda sukurti sveiką patalpų aplinką, pasižyminčią puikia garso sugertimi, mažu į aplinką išskiriamu LOJ kiekiu, atitinkančiu griežčiausius norminių dokumentų reikalavimus, ir visišku cheminiu skaidrumu, kurį patvirtina Sveikatai palankaus produkto deklaracijos. Mažą mūsų Solo plokščių poveikį aplinkai patvirtina trečiųjų šalių išduotos atitikties aplinkosaugos reikalavimams deklaracijos (EPD)

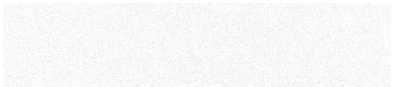
Produktai neskatina ugnies plitimo, o Solo plokščių stiklo vatos sluoksnis buvo išbandytas pagal standartą EN ISO 1182 ir klasifikuojamas kaip nedegus. Atsparumo ugniai klasifikacija atitinka standartą EN 13501-1.

PASTABA
Daugiau informacijos apie gaminius ir sistemas, taip pat patarimų, kaip montuoti, bei tvarumą patvirtinančių dokumentų rasite svetainėje www.ecophon.com/lt.

SPALVOS IR PAVIRŠIAUS DANGOS

AKUTEX™ FT

Ženklas Akutex rodo, kad gaminiui buvo taikyta aukščiausios kokybės paviršiaus apdorojimo technologija. Vykdydami mokslinius tyrimus ir plėtros darbus, mes visada sutelkiame dėmesį į gaminių vizualines ir akustines savybes, darbo aplinką, architektūrines tendencijas ir aplinkosaugos aspektus. Taip užtikriname, kad Akutex ženklų būtų žymimi pažangiausi gaminiai.



WHITE FROST
Artimiausia NCS spalva S 0500-N. Šviesos atspindėjimas 85%.



VOLCANIC ASH
Artimiausia NCS spalva 2002-Y. Šviesos atspindėjimas 56%.



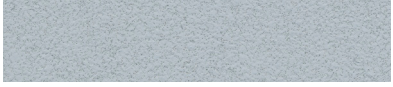
SILVER STONE
Artimiausia NCS spalva S 4502-Y. Šviesos atspindėjimas 29%.



SILK SLATE
Artimiausia NCS spalva S 7000-N. Šviesos atspindėjimas 13%.



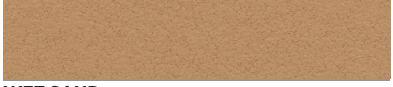
GOJI BERRY
Artimiausia NCS spalva S 3030-Y80R. Šviesos atspindėjimas 27%.



SILENT STEAM
Artimiausia NCS spalva S 2010-B. Šviesos atspindėjimas 45%.



SCALLOP SHELLS
Artimiausia NCS spalva S 0804-Y50R. Šviesos atspindėjimas 76%.



WET SAND
Artimiausia NCS spalva S 3020-Y30R. Šviesos atspindėjimas 35%.



OCEAN STORM
Artimiausia NCS spalva S 4020-R90B. Šviesos atspindėjimas 24%.



MOONLIGHT SKY
Artimiausia NCS spalva S 7020-R90B. Šviesos atspindėjimas 7%.



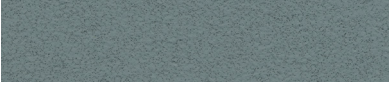
GOLDEN FIELD
Artimiausia NCS spalva S 1040-G90Y. Šviesos atspindėjimas 61%.



SUNSET HEAT
Artimiausia NCS spalva S 2070-Y60R. Šviesos atspindėjimas 20%.



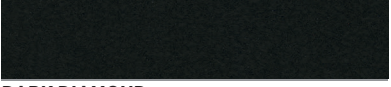
RUBY ROCK
Artimiausia NCS spalva S 4050-R10B. Šviesos atspindėjimas 7%.



EUCALYPTUS LEAF
Artimiausia NCS spalva S 5010-B30G. Šviesos atspindėjimas 23%.



SUMMER FOREST
Artimiausia NCS spalva S 6030-G10Y. Šviesos atspindėjimas 10%.



DARK DIAMOND
Artimiausia NCS spalva S 9000-N. Šviesos atspindėjimas 4%.



MORNING DRIZZLE
Artimiausia NCS spalva S 1002-B. Šviesos atspindėjimas 69%.



CLOUDY DAY
Artimiausia NCS spalva S 1500-N. Šviesos atspindėjimas 62%.



PEACH ROSE
Artimiausia NCS spalva S 1515-Y80R. Šviesos atspindėjimas 55%.



HIGHLAND FOG
Artimiausia NCS spalva S 2005-G. Šviesos atspindėjimas 55%.



SAGE GARDEN
Artimiausia NCS spalva S 3010-B30G. Šviesos atspindėjimas 40%.



FRESH CLOVER
Artimiausia NCS spalva S 3020-G40Y. Šviesos atspindėjimas 35%.

PASTABA
Skirtingų partijų gaminių spalvos gali šiek tiek skirtis.
Spalvos paveikslėlyje gali šiek tiek skirtis nuo realybės.



SISTEMOS

SAVYBĖS

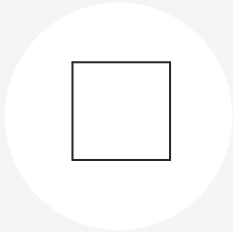
AKUSTIKA, TECHNINĖS SAVYBĖS IR MONTAVIMO SCHEMAS

34	Solo Square
36	Solo Rectangle
40	Solo Rectangle Line
42	Solo Circle
44	Solo Circle XL
46	Solo Cloud
48	Solo Ellipse
50	Solo Triangle
52	Solo Pentagon
54	Solo Hexagon
56	Solo Baffle
59	Solo Baffle Wave
61	Solo Baffle ZigZag
64	Solo Baffle Wall
66	Solo Matrix



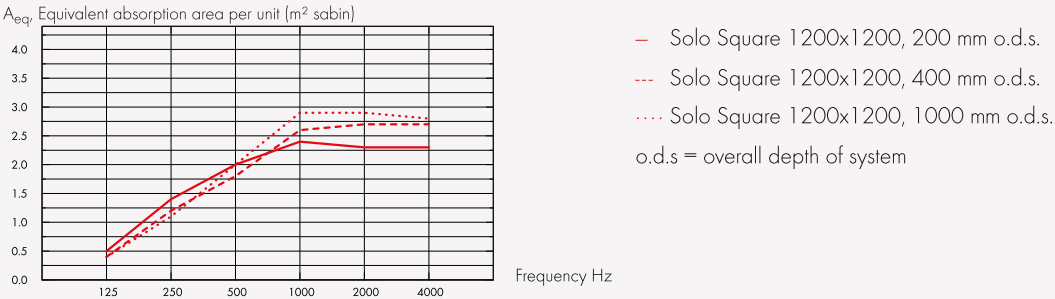


Ecophon Solo™ Square



Acoustic: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Test results according to EN ISO 354.



THK mm	o.d.s. mm	A _{eq} , Equivalent absorption area per unit (m² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	0.5	1.4	2.0	2.4	2.3	2.3
40	400	0.4	1.2	1.8	2.6	2.7	2.7
40	1000	0.4	1.1	2.0	2.9	2.9	2.8

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m²
Solo Square	9,37

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

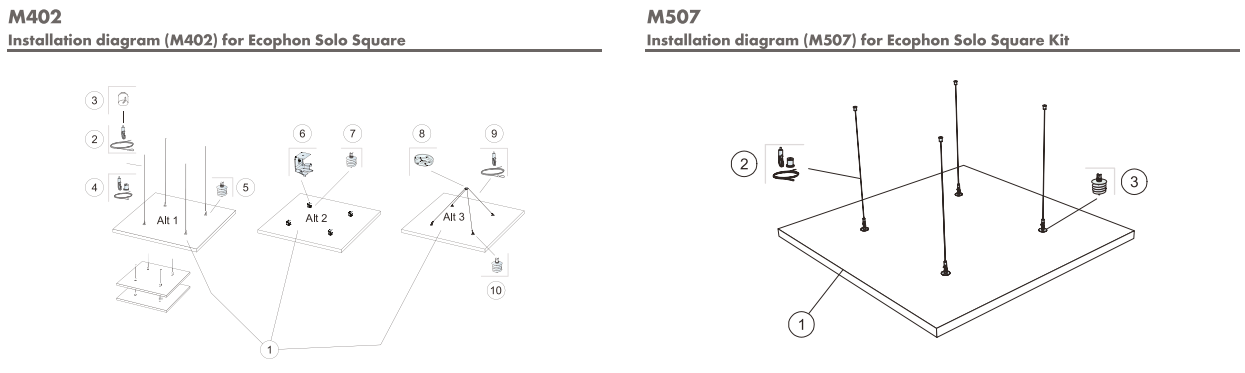
Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

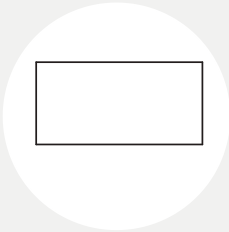
System weight: Approximately 6.5 kg (4.5 kg/m²).

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com





Ecophon Solo™ Rectangle

Acoustics: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Test results according to EN ISO 354.



	THK mm	o.d.s. mm	Aeq Equivalent absorption area per unit (m² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
2400x1200	40	200	1.3	2.8	3.5	4.1	4.1	3.9
2400x1200	40	400	1.2	2.4	3.3	4.7	4.9	4.7
2400x1200	40	1000	1.1	2.2	3.7	5.5	5.6	5.3
1800x1200	40	200	0.6	2.0	2.9	3.4	3.3	3.1
1800x1200	40	400	0.8	1.9	2.6	3.7	3.7	3.6
1800x1200	40	1000	0.8	1.7	2.9	4.3	4.2	4.3
2400x600	40	200	0.5	1.4	2.0	2.4	2.3	2.3
2400x600	40	400	0.4	1.2	1.8	2.6	2.7	2.7
2400x600	40	1000	0.4	1.1	2.0	2.9	2.9	2.8
3000x1200	40	200	1.1	3.3	4.4	5.1	5.1	5.0
3000x1200	40	400	1.2	3.0	4.2	5.8	5.8	5.7
3000x1200	40	1000	1.1	2.8	4.8	6.8	6.8	6.7
1200x600	40	200	0.1	0.7	1.0	1.3	1.3	1.4
1200x600	40	400	0.2	0.5	0.9	1.4	1.5	1.6
1200x600	40	1000	0.1	0.5	0.9	1.6	1.6	1.6

Indoor Air Quality:

Certificate / Label	G35xxxxxx articles	31xx xxxx articles
Eurofins Indoor Air Comfort®	IAC Gold	
French VOC	A+	A
Finnish M1		•

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+

Cradle to Cradle Certified®: This product is Cradle to Cradle Certified® at Bronze level (version 4.0).

Material Health: This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product's composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.

Low energy -ECO suitability / ecobau Certification:

Carbon footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO2 equiv/m²
Solo Rectangle	9,12

Minimum environmental criteria: The products meet the requirements set by the CAM

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

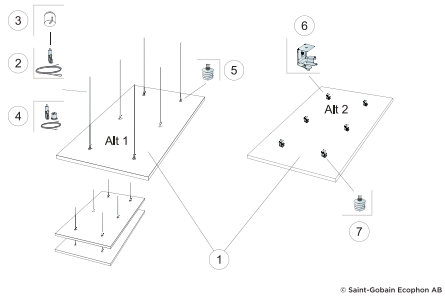
System weight: Weight information is indicative and subject to variation. Solo Rectangle: 4,7,

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

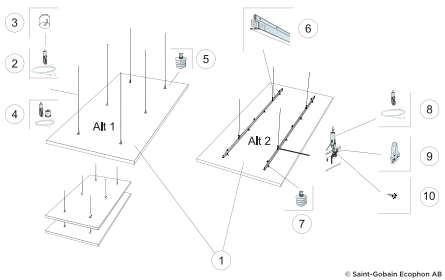
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

Installation diagram in detail www.ecophon.com

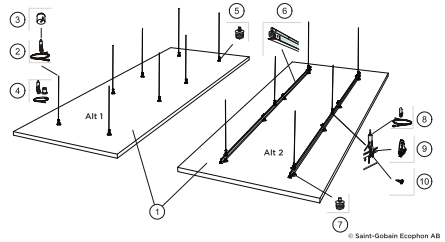
M404
Installation diagram (M404) for Ecophon Solo Rectangle 1800x1200



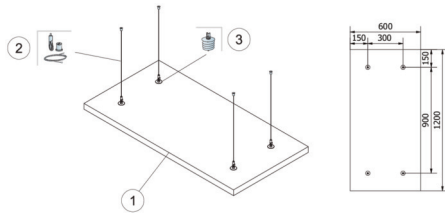
M406
Installation diagram (M406) for Ecophon Solo Rectangle 2400x1200



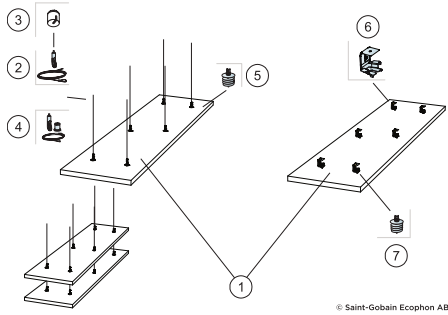
M408
Installation diagram (M408) for Ecophon Solo Rectangle 3000x1200



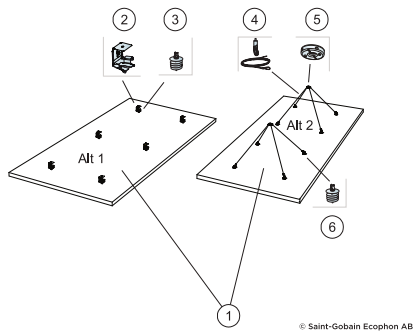
M637
Installation diagram (M637) for Ecophon Solo Rectangle



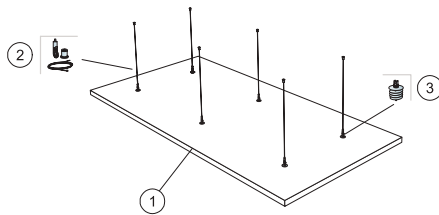
M405
Installation diagram (M405) for Ecophon Solo Rectangle 2400x600

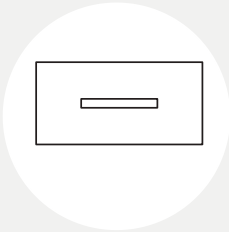


M407
Installation diagram (M407) for Ecophon Solo Rectangle 2400x1200



M506
Installation diagram (M506) for Ecophon Solo Rectangle Kit





Ecophon Solo™ Rectangle Line

Acoustics: For acoustic data on the panel - please see Solo Rectangle.

Lighting performance:

System effect: 29,4 W
Light source: LED 26,7 W
Luminous flux: 2337 lm
Light efficiency: 87,5 lm/W
Colour temperature: 4000K
Color rendering index: Ra ≥80
Colour tolerance: MacAdam ≤3 SDCM
Light output ratio (LOR): 100%
Light distribution up/down: 0/100
Expected lifespan: L90 >50 000 h
Expected lifespan: L70 >100 000 h

Connection: The standard on/off electronic HF ballast delivered with 2,5 meters of cable 3x0,75 mm² and grounded plug. The SwitchDIM/DALI delivered without cable.

Electrical data: 220-240 V, 50-60 Hz, power factor cos φ>0,98. Electronic HF ballast or electronic HF dim ballast for digital regulation. Light source: led module of 26,7W total.

Electrical approvals: IP20, Class 1.

Low energy -ECO suitability / ecobau Certification:

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class A, relative humidity 70% and 25°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

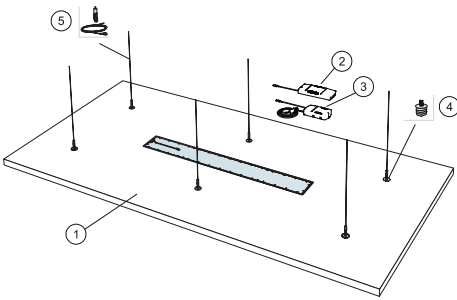
Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com

M521
Installation diagram (M521) for Ecophon Solo Rectangle Line



© Saint-Gobain Ecophon AB

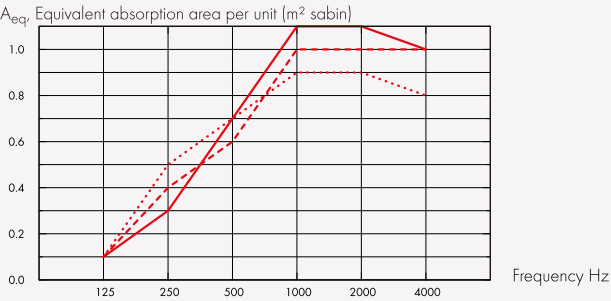


Ecophon Solo™ Circle

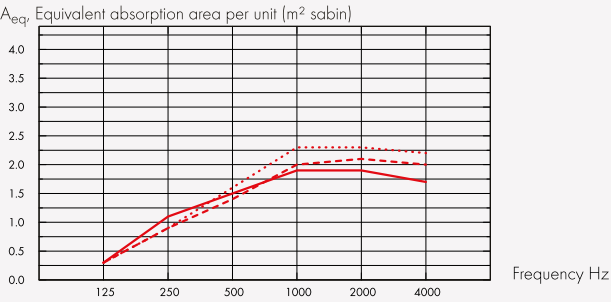


Acoustic: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Test results according to EN ISO 354.



— Solo Circle Ø800, 200 mm o.d.s.
- - - Solo Circle Ø800, 400 mm o.d.s.
... Solo Circle Ø800, 1000 mm o.d.s.
o.d.s = overall depth of system



— Solo Circle Ø1200, 200 mm o.d.s.
- - - Solo Circle Ø1200, 400 mm o.d.s.
... Solo Circle Ø1200, 1000 mm o.d.s.
o.d.s = overall depth of system

	THK mm	o.d.s. mm	A _{eq} , Equivalent absorption area per unit (m ² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø800	40	200	0.1	0.3	0.7	1.1	1.1	1.0
Ø800	40	400	0.1	0.4	0.6	1.0	1.0	1.0
Ø800	40	1000	0.1	0.5	0.7	0.9	0.9	0.8

	THK mm	o.d.s. mm	A _{eq} , Equivalent absorption area per unit (m ² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø1200	40	200	0.3	1.1	1.5	1.9	1.9	1.7
Ø1200	40	400	0.3	0.9	1.4	2.0	2.1	2.0
Ø1200	40	1000	0.3	0.9	1.6	2.3	2.3	2.2

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m ²
Solo Circle	10,35

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

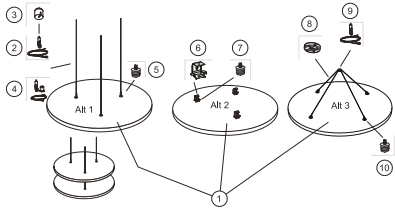
System weight: Approximately 2-4,5 kg.

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

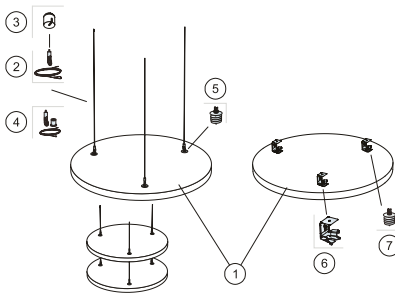
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

Installation diagram in detail www.ecophon.com

M410
Installation diagram (M410) for Ecophon Solo Circle

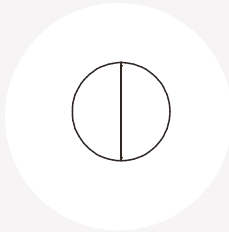


M411
Installation diagram (M411) for Ecophon Solo Circle



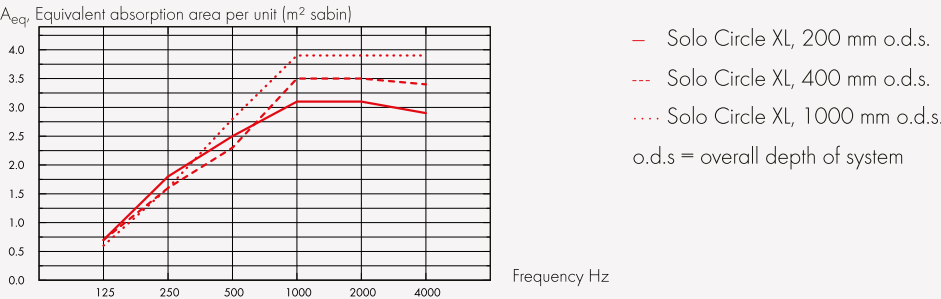


Ecophon Solo™ Circle XL



Acoustic: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Test results according to EN ISO 354.



THK mm	o.d.s. mm	A _{eq} Equivalent absorption area per unit (m² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	0.7	1.8	2.5	3.1	3.1	2.9
40	400	0.7	1.6	2.3	3.5	3.5	3.4
40	1000	0.6	1.6	2.8	3.9	3.9	3.9

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and clas fied as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

System weight: Approximately 8 kg.

Mechanical properties: No additional live load is allowed.

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m²
Solo Circle	10,35

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

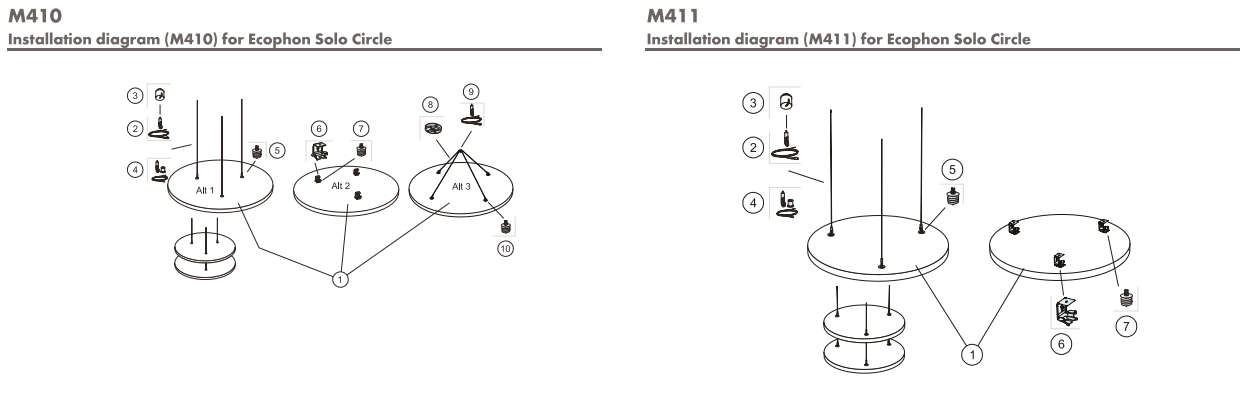
Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

System weight: Approximately 2-4,5 kg.

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performace of products available on the European market.

Installation diagram in detail www.ecophon.com

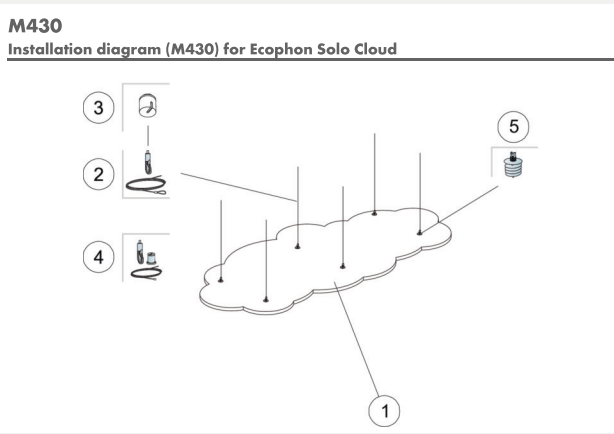




Ecophon Solo™ Cloud

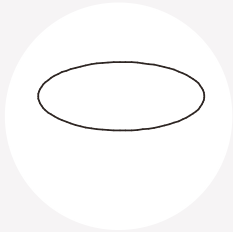
- Acoustics:** For acoustic data on the panel - please see Solo Square and Rectangle.
- Cradle to Cradle Certified®:** This product is Cradle to Cradle Certified® at Bronze level (version 4.0).
- Material Health:** This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product’s composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.
- Low energy -ECO suitability / ecobau Certification:**
- Carbon footprint:** Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804
- | | |
|--------------|--|
| | kg CO ₂ equiv/m ² |
| Solo Freedom | 8,41 (Solo Family EPD in conformity with ISO 14025 / EN 15804) |
- Minimum environmental criteria:** The products meet the requirements set by the CAM
- Circularity:** Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,
- Circularity:** Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,
- Fire safety:** The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,
- Humidity Resistance:** Class C, relative humidity 95% and 30°C, according to EN 13964:2014
- Visual appearance:** White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.
- Cleanability:** Daily dusting and vacuum cleaning. Weekly wet wiping.
- Accessibility:** The tiles are demountable.
- Installation:** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.
- Mechanical properties:** The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.
- CE:** Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com





Ecophon Solo™ Ellipse



Acoustic: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Based on test results according to EN ISO 354.



THK mm	o.d.s. mm	A _{eq} Equivalent absorption area per unit (m² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	0.6	1.6	2.4	2.8	2.8	2.6
40	400	0.8	1.3	2.2	3.2	3.2	3.0
40	1000	0.6	1.2	2.4	3.6	3.6	3.4

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m²
Solo Freedom	8,41 (Solo Family EPD in conformity with ISO 14025 / EN 15804)

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

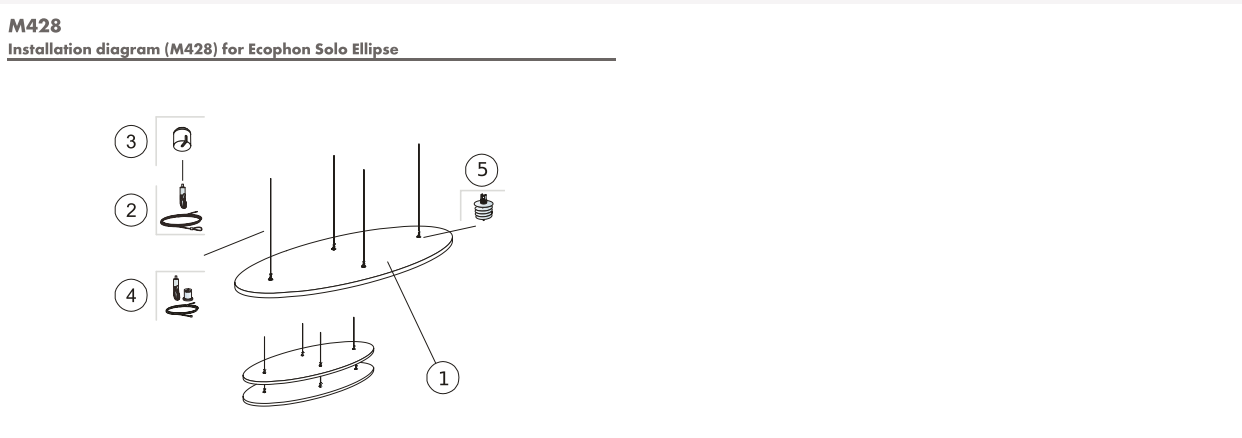
Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com





Ecophon Solo™ Triangle

Acoustic: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Based on test results according to EN ISO 354.



THK mm	o.d.s. mm	A _{eq} Equivalent absorption area per unit (m² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	0.1	0.5	1.0	1.2	1.2	1.0
40	400	0.1	0.5	0.9	1.3	1.3	1.2
40	1000	0.2	0.4	0.9	1.4	1.4	1.3

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m²
Solo Freedom	8,41 (Solo Family EPD in conformity with ISO 14025 / EN 15804)

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

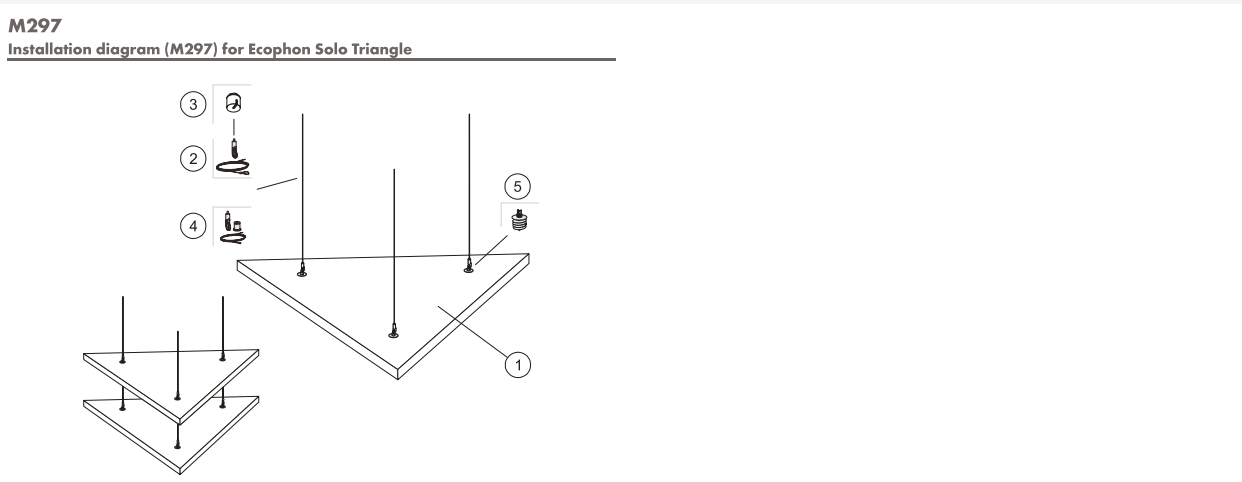
Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com





Ecophon Solo™ Pentagon

Acoustic: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Based on test results according to EN ISO 354.



THK mm	o.d.s. mm	A _{eq} Equivalent absorption area per unit (m² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	0.2	0.8	1.3	1.6	1.6	1.4
40	400	0.3	0.7	1.2	1.8	1.8	1.7
40	1000	0.3	0.6	1.3	2.0	2.0	1.8

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m²
Solo Freedom	8,41 (Solo Family EPD in conformity with ISO 14025 / EN 15804)

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

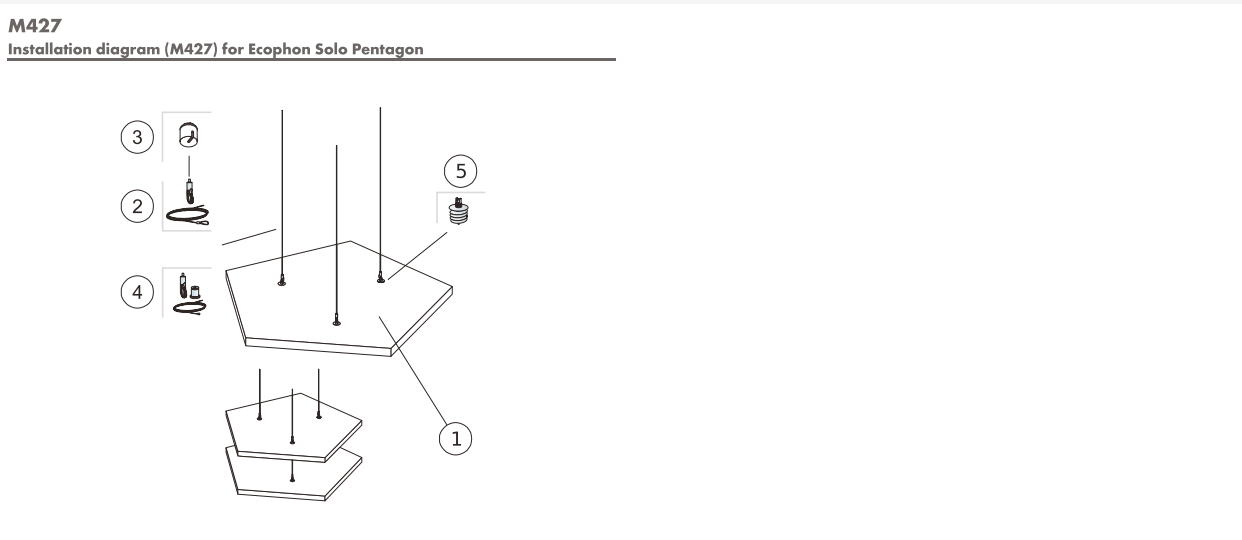
Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com



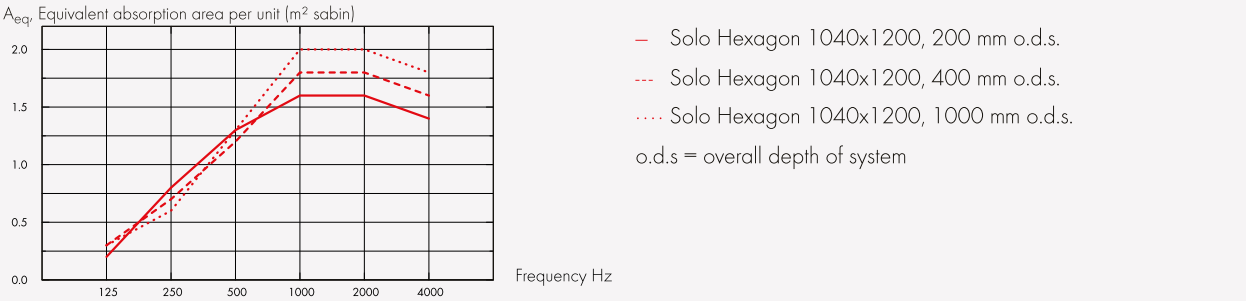


Ecophon Solo™ Hexagon



Acoustic: The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:
Based on test results according to EN ISO 354.



THK mm	o.d.s. mm	A _{eq} Equivalent absorption area per unit (m² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	0.2	0.8	1.3	1.6	1.6	1.4
40	400	0.3	0.7	1.2	1.8	1.8	1.6
40	1000	0.3	0.6	1.3	2.0	2.0	1.8

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m²
Solo Freedom	8,41 (Solo Family EPD in conformity with ISO 14025 / EN 15804)

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

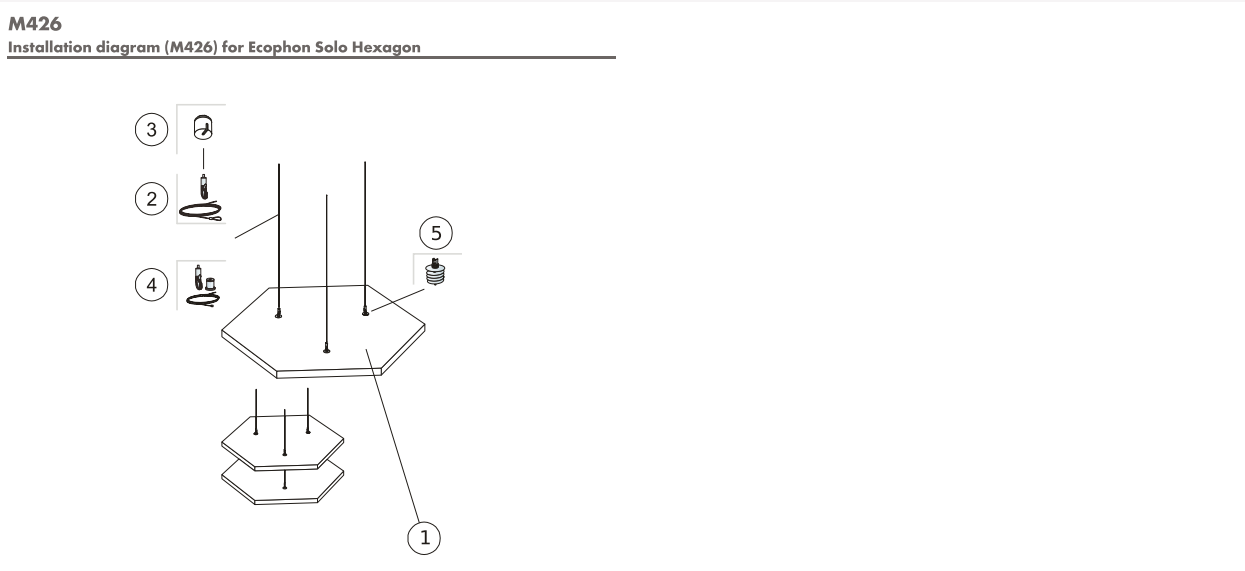
Accessibility: The tiles are demountable.

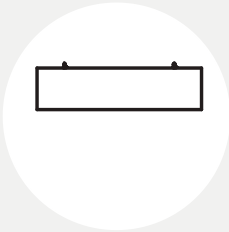
Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

Mechanical properties: The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com



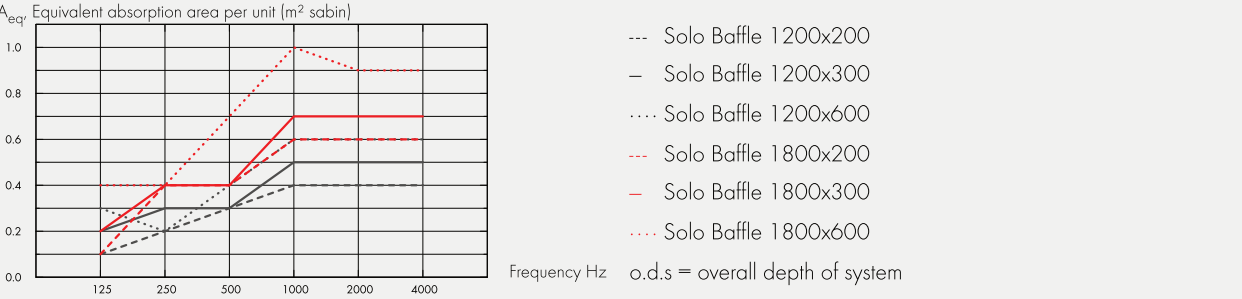
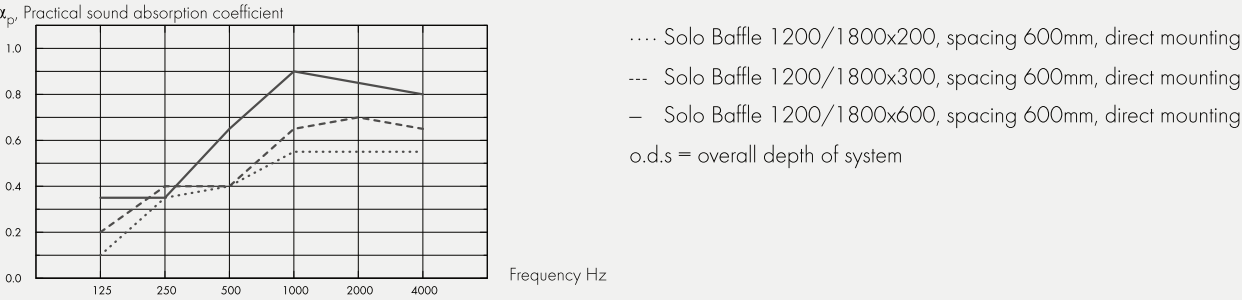


Ecophon Solo™ Baffle

Acoustics:

Sound Absorption:

Test results according to EN ISO 354:2003 NOTE: Results shown are not comparable with results according to older versions of this standard due to discrepancies in test method. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.



	THK mm	o.d.s. mm	α_p Practical sound absorption coefficient						α_w
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
c600	40	200	0.10	0.35	0.40	0.55	0.55	0.55	0.50
c600	40	300	0.20	0.40	0.40	0.65	0.70	0.65	0.50
c600	40	600	0.35	0.35	0.65	0.90	0.85	0.80	0.65

	THK mm	o.d.s. mm	A_{eq} Equivalent absorption area per unit (m^2 sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1200x200 c600	40	200	0.1	0.2	0.3	0.4	0.4	0.4
1200x300 c600	40	300	0.2	0.3	0.3	0.5	0.5	0.5
1200x600 c600	40	600	0.3	0.2	0.4	0.6	0.6	0.6
1800x200 c600	40	200	0.1	0.4	0.4	0.6	0.6	0.6
1800x300 c600	40	300	0.2	0.4	0.4	0.7	0.7	0.7
1800x600 c600	40	600	0.4	0.4	0.7	1.0	0.9	0.9

	THK mm	o.d.s. mm	NRC	SAA
c200	40	200	0.65	0.65
c400	40	200	0.50	0.51
c600	40	200	0.45	0.43
c800	40	200	0.40	0.37
c200	40	300	0.70	0.71
c400	40	300	0.60	0.61
c600	40	300	0.55	0.53
c800	40	300	0.45	0.46
c200	40	600	0.80	0.82
c400	40	600	0.75	0.74
c600	40	600	0.70	0.67
c800	40	600	0.60	0.60

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+

Cradle to Cradle Certified®: This product is Cradle to Cradle Certified® at Bronze level (version 4.0).

Material Health: This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product's composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.

Low energy -ECO suitability / ecobau Certification:

Carbon footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m ²
Solo Baffle	10,11

Minimum environmental criteria: The products meet the requirements set by the CAM

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

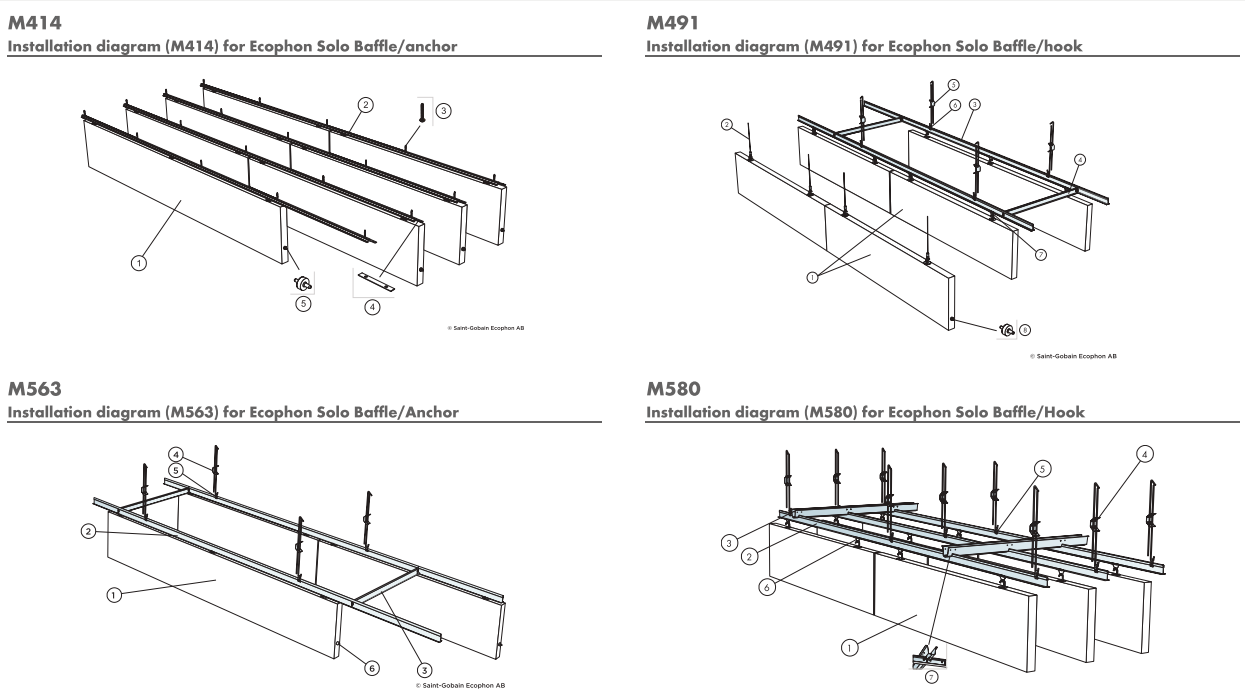
Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

System weight: Weight information is indicative and subject to variation. Solo Baffle : 4,6,

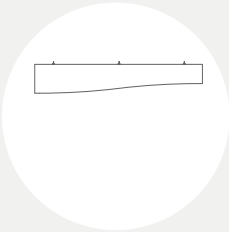
Mechanical properties: Additional live load has to be fixed to the soffit.

CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. 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.

Installation diagram in detail www.ecophon.com

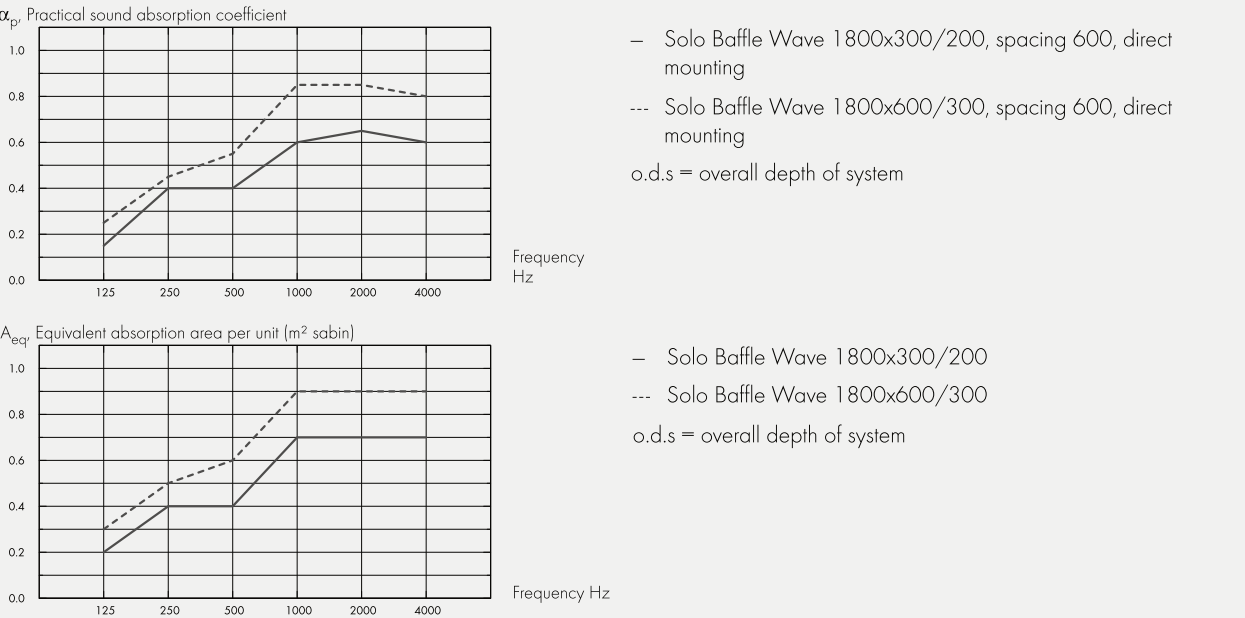


Ecophon Solo™ Baffle Wave



Acoustics:

Sound Absorption:
Test results according to EN ISO 354:2003 NOTE: Results shown are not comparable with results according to older versions of this standard due to discrepancies in test method. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.



	THK mm	o.d.s. mm	α_p Practical sound absorption coefficient						α_w
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
c600	40	300	0.15	0.40	0.40	0.60	0.65	0.60	0.50
c600	40	600	0.25	0.45	0.55	0.85	0.85	0.80	0.65

	THK mm	o.d.s. mm	A_{eq} Equivalent absorption area per unit (m² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
c600	40	300	0.2	0.4	0.4	0.7	0.7	0.7
c600	40	600	0.3	0.5	0.6	0.9	0.9	0.9

	THK mm	o.d.s. mm	NRC	SAA
c600	40	300	0.50	0.52
c600	40	600	0.70	0.68

Indoor Air Quality:

Certificate / Label

Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+

Cradle to Cradle Certified®: This product is Cradle to Cradle Certified® at Bronze level (version 4.0).

Material Health: This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product's composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.

Low energy -ECO suitability / ecobau Certification:

Carbon footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv./m ²
Solo Baffle Wave	11,07

Minimum environmental criteria: The products meet the requirements set by the CAM

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

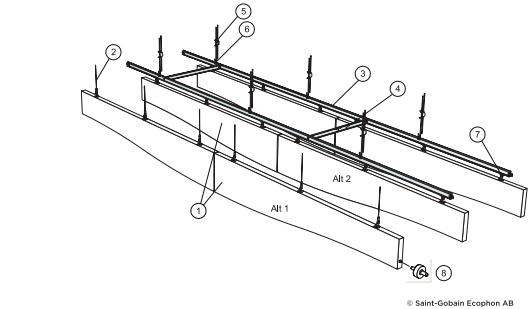
System weight: Weight information is indicative and subject to variation. Solo Baffle : 4,6,

Mechanical properties: Additional live load has to be fixed to the soffit.

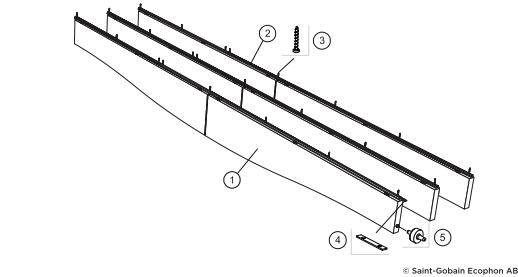
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

Installation diagram in detail www.ecophon.com

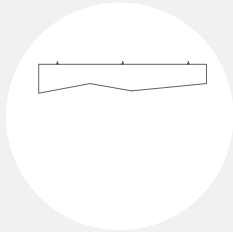
M495
Installation diagram (M495) for Ecophon Solo Baffle Wave/Hook



M419
Installation diagram (M419) for Ecophon Solo Baffle Wave/Anchor

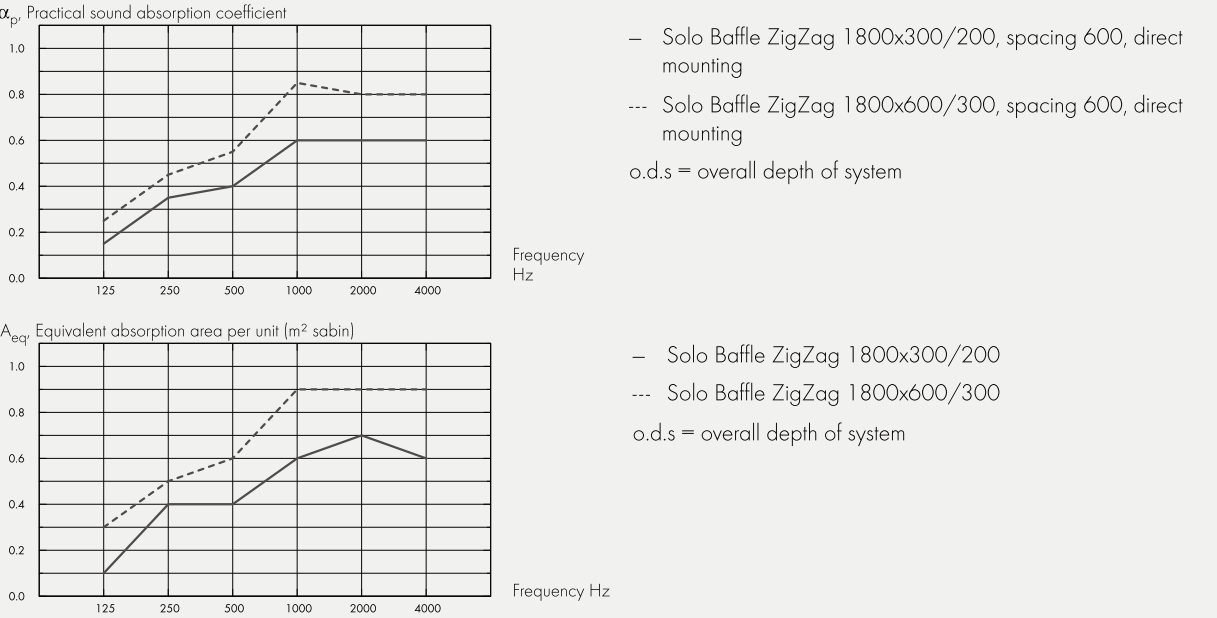


Ecophon Solo™ Baffle ZigZag



Acoustics:

Sound Absorption:
Test results according to EN ISO 354:2003 NOTE: Results shown are not comparable with results according to older versions of this standard due to discrepancies in test method. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.



	THK mm	o.d.s. mm	α_p Practical sound absorption coefficient						α_w
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
c600	40	300	0.15	0.35	0.40	0.60	0.60	0.60	0.50
c600	40	600	0.25	0.45	0.55	0.85	0.80	0.80	0.65

	THK mm	o.d.s. mm	A_{eq} Equivalent absorption area per unit (m² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
c600	40	300	0.1	0.4	0.4	0.6	0.7	0.6
c600	40	600	0.3	0.5	0.6	0.9	0.9	0.9

	THK mm	o.d.s. mm	NRC	SAA
c600	40	300	0.50	0.49
c600	40	600	0.65	0.65

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+

Cradle to Cradle Certified®: This product is Cradle to Cradle Certified® at Bronze level (version 4.0).

Material Health: This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product’s composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.

Low energy -ECO suitability / ecobau Certification:

Carbon footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m ²
Solo Baffle ZigZag	11,13

Minimum environmental criteria: The products meet the requirements set by the CAM

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The tiles are demountable.

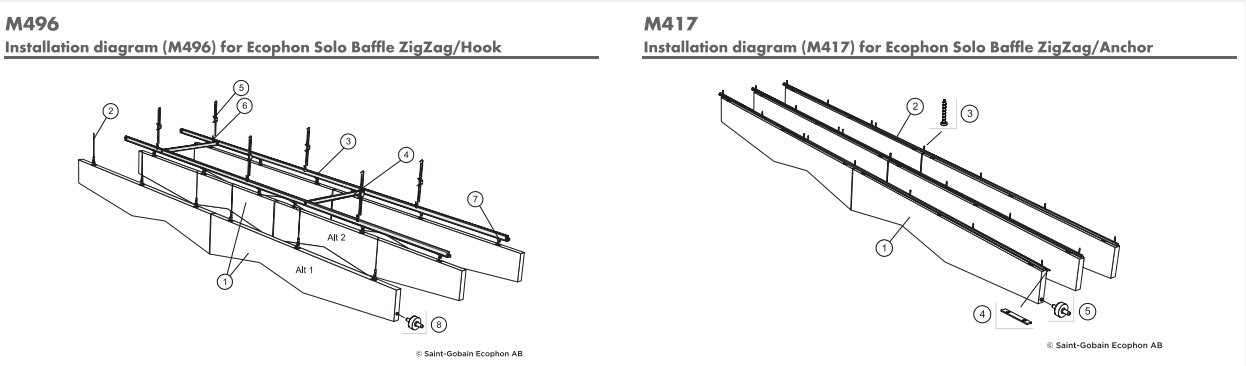
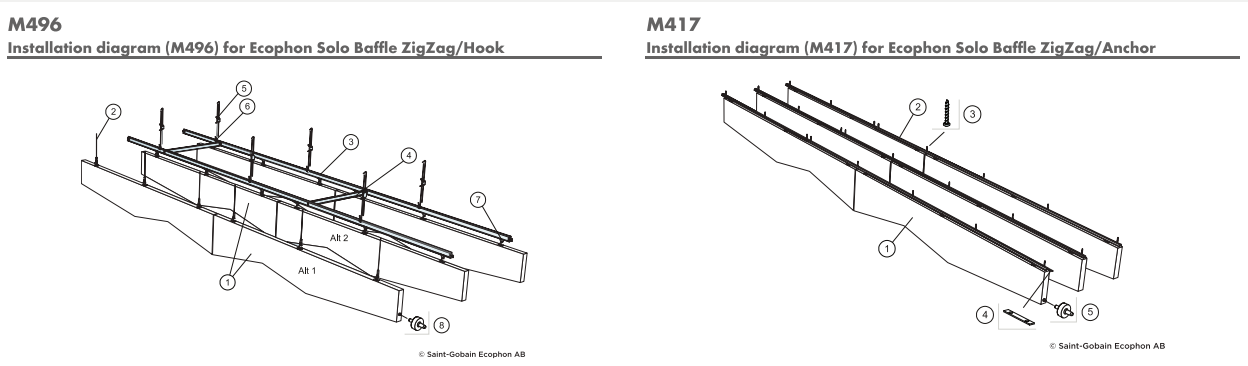
Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

System weight: Weight information is indicative and subject to variation. Solo Baffle : 4,6,

Mechanical properties: Additional live load has to be fixed to the soffit.

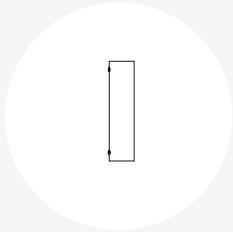
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

Installation diagram in detail www.ecophon.com





Ecophon Solo™ Baffle Wall



Acoustic: For acoustic data on the Baffle - please see Solo Baffle.

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m ²
Solo Baffle Wall	10,11

Circularity: Minimum post-consumer recycled content: 57%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

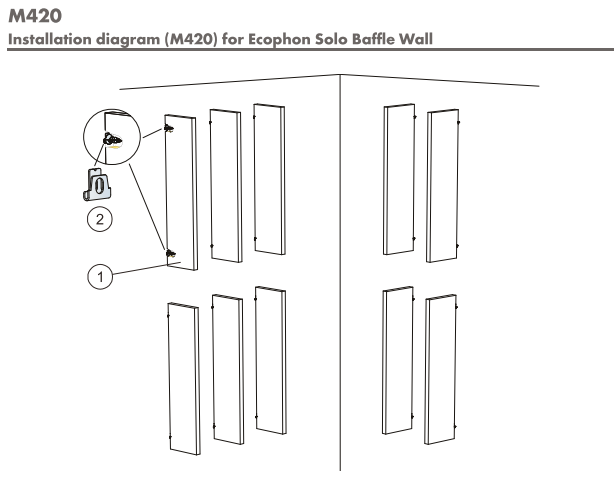
Accessibility: The tiles are demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

Mechanical properties: Additional live load has to be fixed to the soffit.

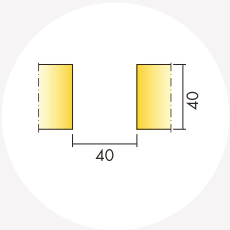
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market .

Installation diagram in detail www.ecophon.com



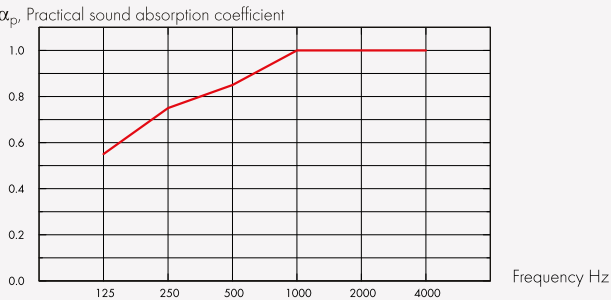


Ecophon Solo™ Matrix

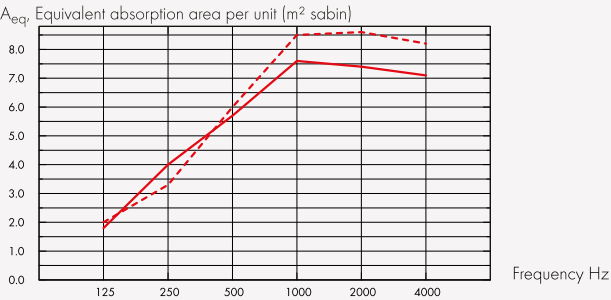


Acoustic: The first diagram refers to clusters >10 m². The second diagram to a cluster of four panels (1200x1040 mm) in a row with a distance of 40 mm (M 502). If the clusters are arranged with distances between the clusters <0,5 meters, the Aeq per cluster will be slightly reduced.

Sound Absorption:
Test results according to EN ISO 354. Classification according to EN ISO 11654.



— Solo Matrix 40 mm, 300 mm o.d.s.
o.d.s = overall depth of system



— Solo Matrix 40 mm (M502), 300 mm o.d.s.
- - - Solo Matrix 40 mm (M502), 600 mm o.d.s.
o.d.s = overall depth of system

THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	300	0.55	0.75	0.85	1.00	1.00	1.00	0.95	A

THK mm	o.d.s. mm	A_{eq} , Equivalent absorption area per unit (m² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	300	1.8	4.0	5.7	7.6	7.4	7.1
40	600	2.0	3.3	6.0	8.5	8.6	8.2
40	1000	2.1	3.5	6.4	9.1	9.2	9.0

Indoor Air Quality:

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

	kg CO ₂ equiv/m²
Solo Matrix	7,52

Circularity: Minimum post-consumer recycled content: 62%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: EN 13501-1, A2-s1,d0,

Humidity Resistance: Class C, relative humidity 95% and 30°C, according to EN 13964:2014

Visual appearance: White Frost, nearest NCS colour sample S 0500-N, 85 % light reflectance. Gloss < 1.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: Each panel is individually demountable from below. Panels are equipped with hatch function.

Installation: For design possibilities including installation direction and integrations, see installation guides, installation diagrams and drawing aid. For informatin regarding minimum overall depth of system see quantity specification.

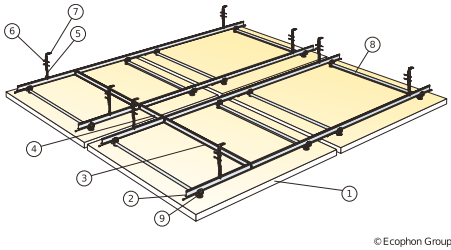
System weight: The weight of the system (including suspension grid) should be approximately 4 kg/m².

Mechanical properties: The panels can take small loads with largest aperture diameter of 100 mm. The load is restricted to maximum 250g between two Panel cross bars. For heavier loads see Installation guide.

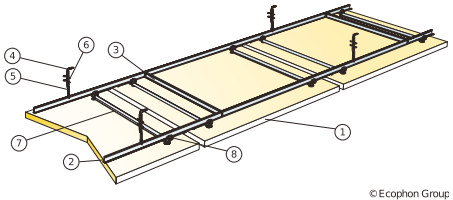
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performace of products available on the European market.

Installation diagram in detail www.ecophon.com

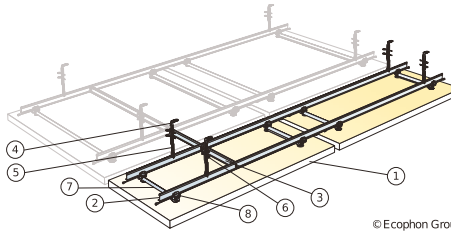
M501
Installation diagram (M501) for Ecophon Solo Matrix in modules



M502
Installation diagram (M502) for Ecophon Solo Matrix in rows



M503
Installation diagram (M503) for Ecophon Solo Matrix in modules





Ecophon yra pirmaujanti patalpų akustinių produktų, gerinančių darbo našumą ir gyvenimo kokybę, tiekėja. Tikime, kad garsas gali pakeisti mūsų kasdienį gyvenimą, ir neabejojame, jog akustika daro didžiulį poveikį žmonių savijautai bet kokioje vietoje, užsiimant bet kokia veikla ir tenkinant bet kokius poreikius.

Užtikrinti palankų poveikį žmonėms – tai principas, kuriuo vadovaujamės, kad ir ką darytume. Didžiuojamės švedišku paveldu ir žmogišku požiūriu, kuriuo grindžiamas šis pažadas. Be to, mes, kaip Saint-Gobain grupės nariai, prisidedame prie to, kad pasaulis taptų geresniais namais.