



ECOPHON

MASTER™

Voor de meest veeleisende akoestiek

A sound effect on people

Saint-Gobain Ecophon draagt bij aan een goed binnenklimaat voor werken, genezen en leren. We doen dit door akoestische producten en systemen te ontwikkelen, produceren en leveren die zijn ontworpen rond de natuurlijke evolutie van het menselijk gehoor – door de geluidservaring van buiten naar binnen na te bootsen.

A Sound Effect on People, op alle mogelijke manieren, is waar we trots op zijn. Die belofte maakt ieder van ons gepassioneerd over het belang van ruimteakoestiek en de invloed daarvan op het welzijn van mensen – ongeacht de ruimte, activiteit of behoefte.



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Goede akoestiek is essentieel

Het belang van goede akoestiek wordt vaak onderschat. Geluid heeft invloed op ons dagelijks leven en de wetenschappelijke onderbouwing voor het verbeteren van onze geluidsomgeving binnenshuis is goed gedocumenteerd.

En wat is precies een ideale geluidsomgeving binnenshuis?

Een omgeving die gebaseerd is op hoe we geluid buiten ervaren. Het menselijk gehoor is van nature aangepast aan een buitenomgeving waar geen geluidsreflecties van plafonds en wanden zijn. Daarom

draait het bij Ecophon vooral om het nabootsen van de akoestische kwaliteiten die in de natuur voorkomen voor binnenruimtes. We willen binnenruimtes optimaliseren voor onze natuurlijke manier van horen, zodat spraak en geluid gemakkelijk te horen en te verstaan zijn, wat uiteindelijk de prestaties en het welzijn verbetert.

Meestal begint dat bij het plafond. Een akoestisch plafond van wand tot wand is de gemakkelijkste manier om een groot geluidsabsorberend oppervlak in een ruimte te creëren en is meestal de beste manier om ongewenst lawaai te verminderen, nagalmtijden te verkorten en de spraakverstaanbaarheid en het algehele luistercomfort te verbeteren. Met een aanvulling van wandoplossingen ontstaat een optimale akoestische omgeving.



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ECOPHON MASTER™

Voor de meest veeleisende akoestiek

Ecophon Master™ staat voor akoestische innovatie en is ongeëvenaard in het voldoen aan akoestisch veeleisende omgevingen. Het resultaat is een uitstekende geluidsabsorptie en spraakverstaanbaarheid.

Omgevingen met veelvuldig telefoongebruik of een hoog omgevingsgeluid kunnen het moeilijk maken om je te concentreren, productief te blijven of effectief te leren. Master plafondsysteem bieden uitzonderlijke geluidsabsorptie en spraakverstaanbaarheid – perfect voor drukke kantoren, klaslokalen of overal waar duidelijke communicatie prioriteit heeft.

- Absorptieklasse A
- Biedt 2 verschillende productsystemen met 8 verschillende kantafwerkingen.
- Premium oppervlak met een matte uitstraling



Minimum
59%
post-consumer gerecyclede content

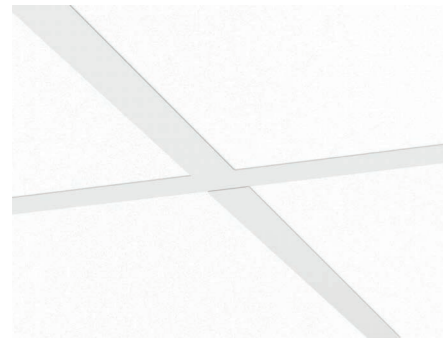
9

Productaanbod

ECOPHON MASTER™

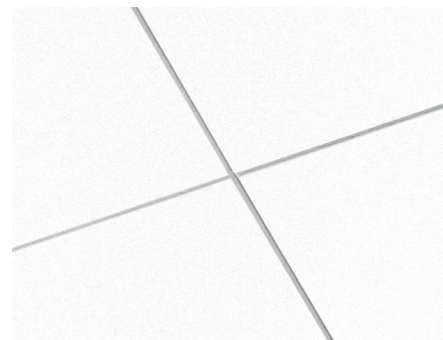
Ecophon Master™ is een verlaagd plafondsysteem met uitstekende akoestische eigenschappen. Het biedt ook rechtstreekse bevestigingsmogelijkheden met schroeven of lijm voor een snelle en eenvoudige akoestische upgrade. Het gepatenteerde Master Eg is een uniek systeem met unieke designmogelijkheden en een zwevende uitstraling. Master Rigid-systemen hebben een versterkt, duurzaam en slagvast oppervlak en worden in het ophangstelsel bevestigd. Combineer met Ecophon Extra Bass voor extra absorptie van lage frequenties.

ECOPHON MASTER™ A



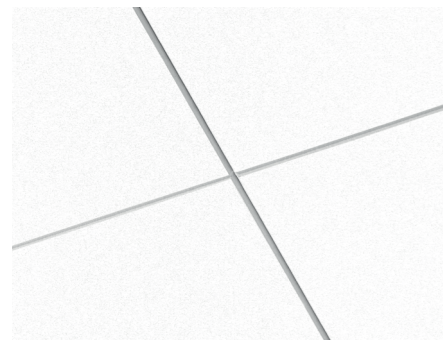
Paneelmaten	Grids
600x600x40	Verlaagd plafond
1200x600x40	Verlaagd plafond
1200x1200x40	Verlaagd plafond

ECOPHON MASTER™ B



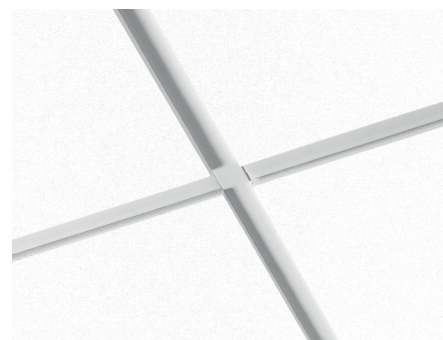
Paneelmaten	Grids
600x600x40	Verlaagd plafond
1200x600x40	Verlaagd plafond

ECOPHON MASTER™ Ds



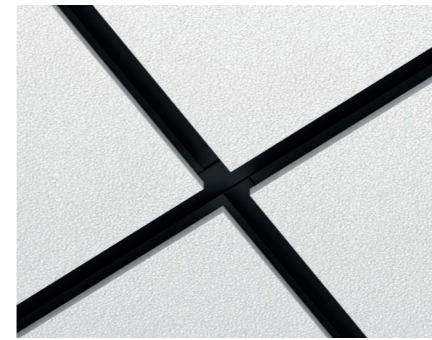
Paneelmaten	Grids
600x600x40	Verlaagd plafond

ECOPHON MASTER™ E



Paneelmaten	Grids
600x600x40	Verlaagd plafond
1200x600x40	Verlaagd plafond
1200x1200x40	Verlaagd plafond

ECOPHON MASTER™ Eg



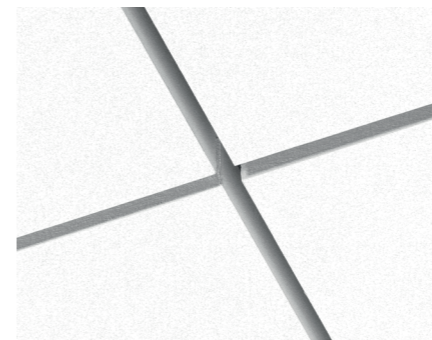
Paneelmaten	Grids
600x600	Verlaagd plafond
1200x600	
1200x1200	
2400x600	

ECOPHON MASTER™ F



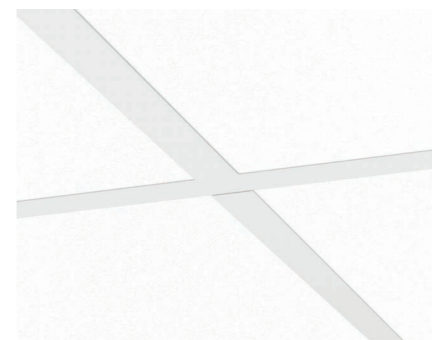
Paneelmaten	Grids
600x600x40	Verlaagd plafond
1200x600x40	Verlaagd plafond

ECOPHON MASTER™ SQ



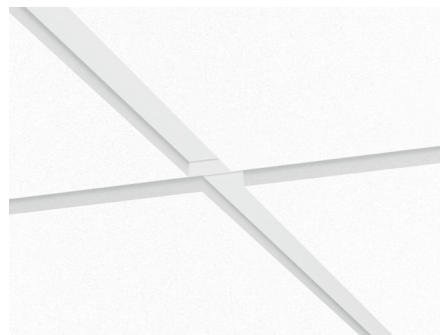
Paneelmaten	Grids
600x600x40	Verlaagd plafond
1200x600x40	Verlaagd plafond

ECOPHON MASTER™ RIGIDA



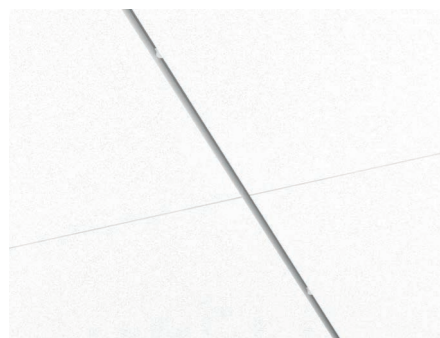
Paneelmaten	Grids
600x600x40	Verlaagd plafond
1200x600x40	Verlaagd plafond
1600x600x20	Verlaagd plafond
1800x600x20	Verlaagd plafond
2000x600x20	Verlaagd plafond
2400x600x20	Verlaagd plafond

ECOPHON MASTER™ RIGID E



Paneelmaten	Grids
600x600x20	Verlaagd plafond
1200x600x20	Verlaagd plafond
1200x1200x20	Verlaagd plafond

ECOPHON MASTER™ RIGID Dp



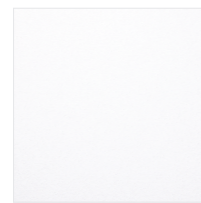
Paneelmaten	Grids
600x600x20	Verlaagd plafond
1200x600x20	Verlaagd plafond



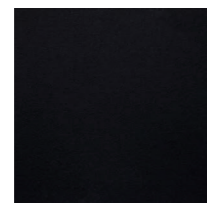
kleuren en oppervlak

Akutex™ FT

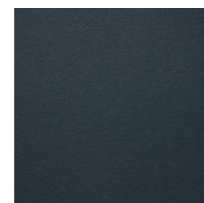
Het Akutex™ FT-oppervlak heeft een verfijnde poriënstructuur waardoor de glaswolkern optimale geluidsabsorptie biedt. De standaardcollectie omvat 16 kleuren, aangevuld met een breed scala aan NCS-kleuren, wat flexibiliteit in het ontwerp en de mogelijkheid biedt om de akoestische oplossing op maat te maken.



White Frost
Lichtreflectie: 85%.
Benadert NCS kleurstaal S 0500-N.



Dark Diamond
Lichtreflectie: 4%.
Benadert NCS kleurstaal S 9000-N.



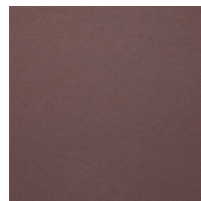
Basalt Rock
Lichtreflectie: 7%.
Benadert NCS kleurstaal S 8005-B20G.



Deep Sea
Lichtreflectie: 10%.
Benadert NCS kleurstaal S 7010-R90B.



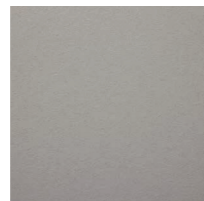
Pine Green
Lichtreflectie: 11%.
Benadert NCS kleurstaal S 7010-B90G.



Dark Chestnut
Lichtreflectie: 10%.
Benadert NCS kleurstaal S 7010-Y90R.



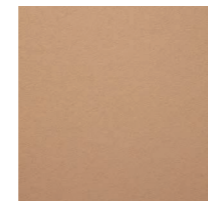
Silk Slate
Lichtreflectie: 13%.
Benadert NCS kleurstaal S 7000-N.



Silver Stone
Lichtreflectie: 29%.
Benadert NCS kleurstaal S 4502-Y.



Spring Leaf
Lichtreflectie: 30%.
Benadert NCS kleurstaal S 4010-G50Y.



Wet Sand
Lichtreflectie: 34%.
Benadert NCS kleurstaal S 3020-Y30R.



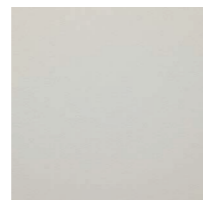
Silent Steam
Lichtreflectie: 50%.
Benadert NCS kleurstaal S 2010-B.



Sage Mist
Lichtreflectie: 52%.
Benadert NCS kleurstaal S 2005-G50Y.



Volcanic Ash
Lichtreflectie: 55%.
Benadert NCS kleurstaal S 2002-Y.



Cloudy Day
Lichtreflectie: 64%.
Benadert NCS kleurstaal S 1500-N.



Morning Rain
Lichtreflectie: 70%.
Benadert NCS kleurstaal S 1002-B.



Scallop Shells
Lichtreflectie: 75%.
Benadert NCS kleurstaal S 0804-Y50R.

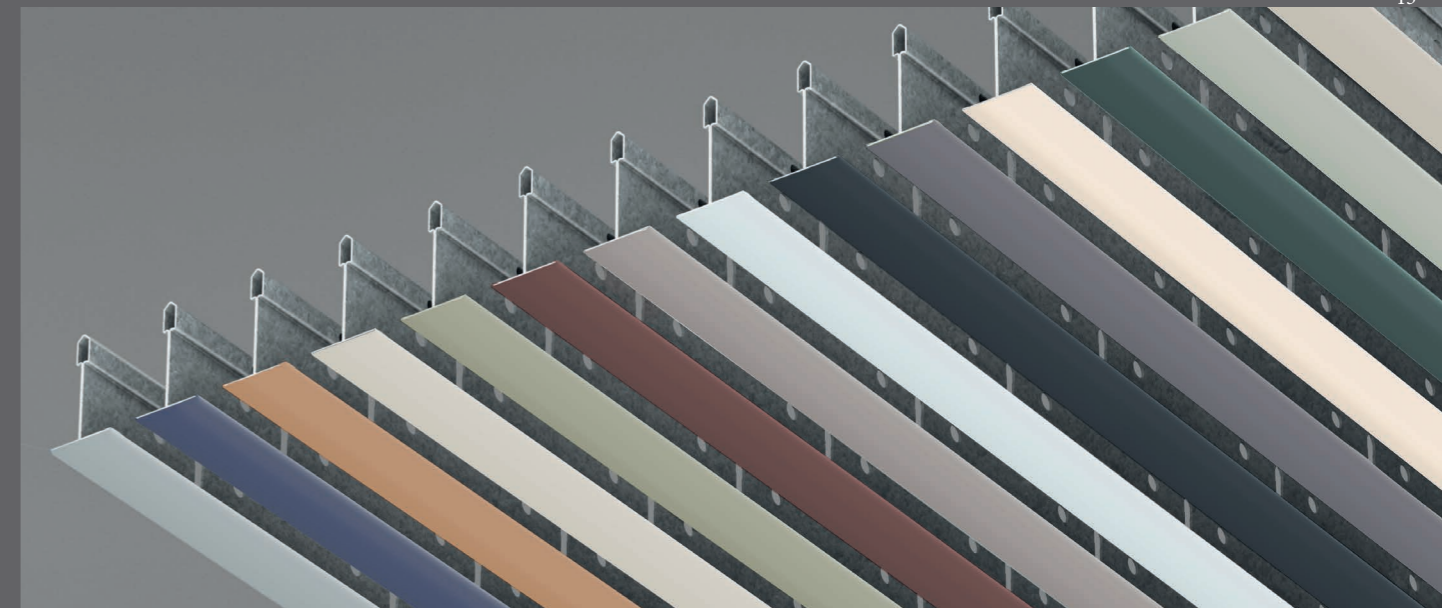
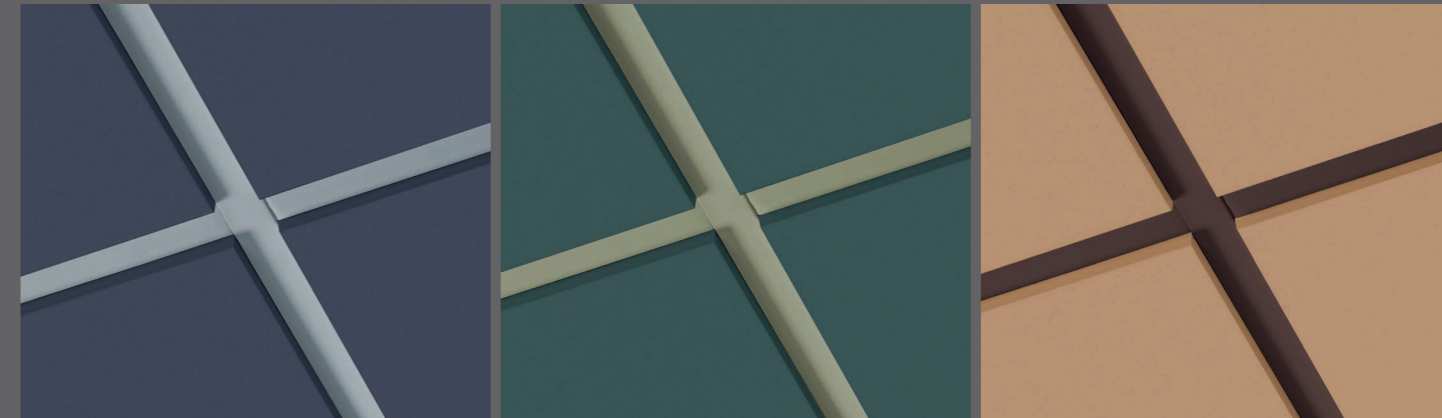
Let op:

Kleuren kunnen enigszins variëren tussen verschillende productiebatches. De werkelijke productkleur kan afwijken van de afbeelding..

Grid kleuren - maak je eigen design

Een akoestisch plafond is vaak het grootste aaneengesloten oppervlak in een ruimte en bepaalt niet alleen de algehele uitstraling en sfeer van het interieur, maar ook het comfort, de beleving en het welzijn van de mensen die er gebruik van maken.

- Connect grids zijn verkrijgbaar in alle Akutex™ FT kleurreferenties.
- U kunt de kleuren van de panelen gelijk laten lopen met het grid, of juist verschillende kleuren combineren voor een dynamischer en speelser ontwerp.



Ecophon Master™ overzicht

Kantafwerking	Product	Absorptie-klasse	Connect grid	Afmetingen (mm)	Mogelijke combinaties
	Ecophon Master™ A	A	T15/ T24	600x600x40 1200x600x40 1200x1200x40	-
	Ecophon Master™ B	A	Direct fixing	600x600x40 1200x600x40	-
	Ecophon Master™ Ds	A	T24	600x600x40	-
	Ecophon Master™ E	A	T24	600x600x40 1200x600x40 1200x1200x40	-
	Ecophon Master™ Eg	A	T24	600x600 1200x600 1200x1200 2400x600	-
	Ecophon Master™ F	A	Direct fixing	600x600x40 1200x600x40	-
	Ecophon Master™ SQ	A	Direct fixing	600x600x40 1200x600x40	-
	Ecophon Master™ Rigid A	A	T24	600x600x20 1200x600x20 1600x600x20 1800x600x20 2000x600x20 2400x600x20	Extra Bass 1200x600
	Ecophon Master™ Rigid E	A	T24	600x600x20 1200x600x20 1200x1200x20	Extra Bass 1200x600
	Ecophon Master™ Rigid Dp	A	T24	600x600x20 1200x600x20	Extra Bass 1200x600

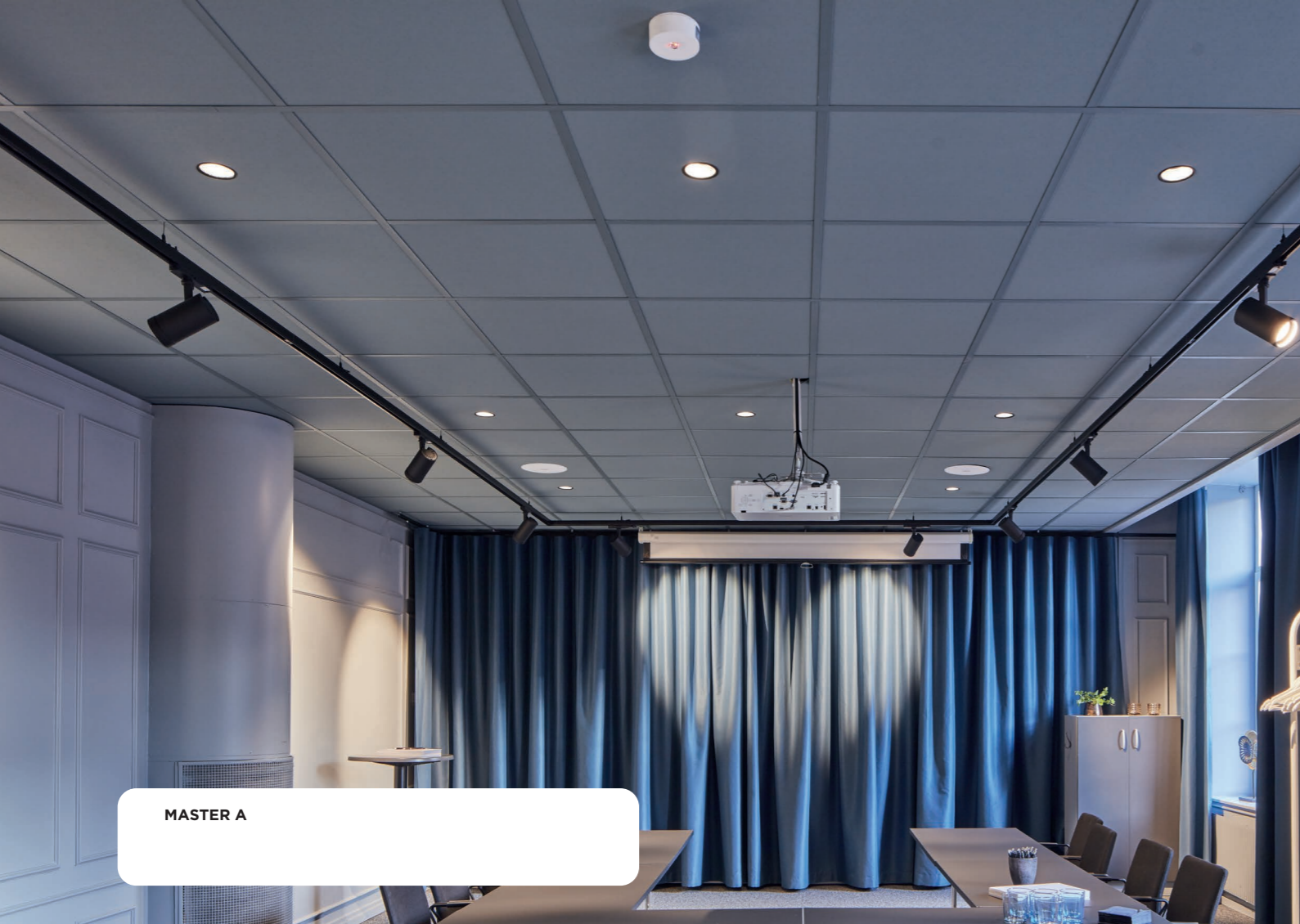


Ecophon Master panelen dragen bij aan een gezond binnenklimaat met hoogwaardige geluidsabsorptie, lage VOC-emissies conform de strenge eisen en volledige chemische transparantie met geverifieerde gezondheidsproductverklaringen. De lage milieubelasting van onze Master panelen is door een onafhankelijke partij geverifieerd in milieuproductverklaringen.

De producten zijn brandveilig en de glaswolkern van de Master panelen is getest en geclassificeerd als onbrandbaar volgens EN ISO 1182. Brandclassificatie volgens EN 13501-1, zie Technische eigenschappen van het betreffende product.

Let op:

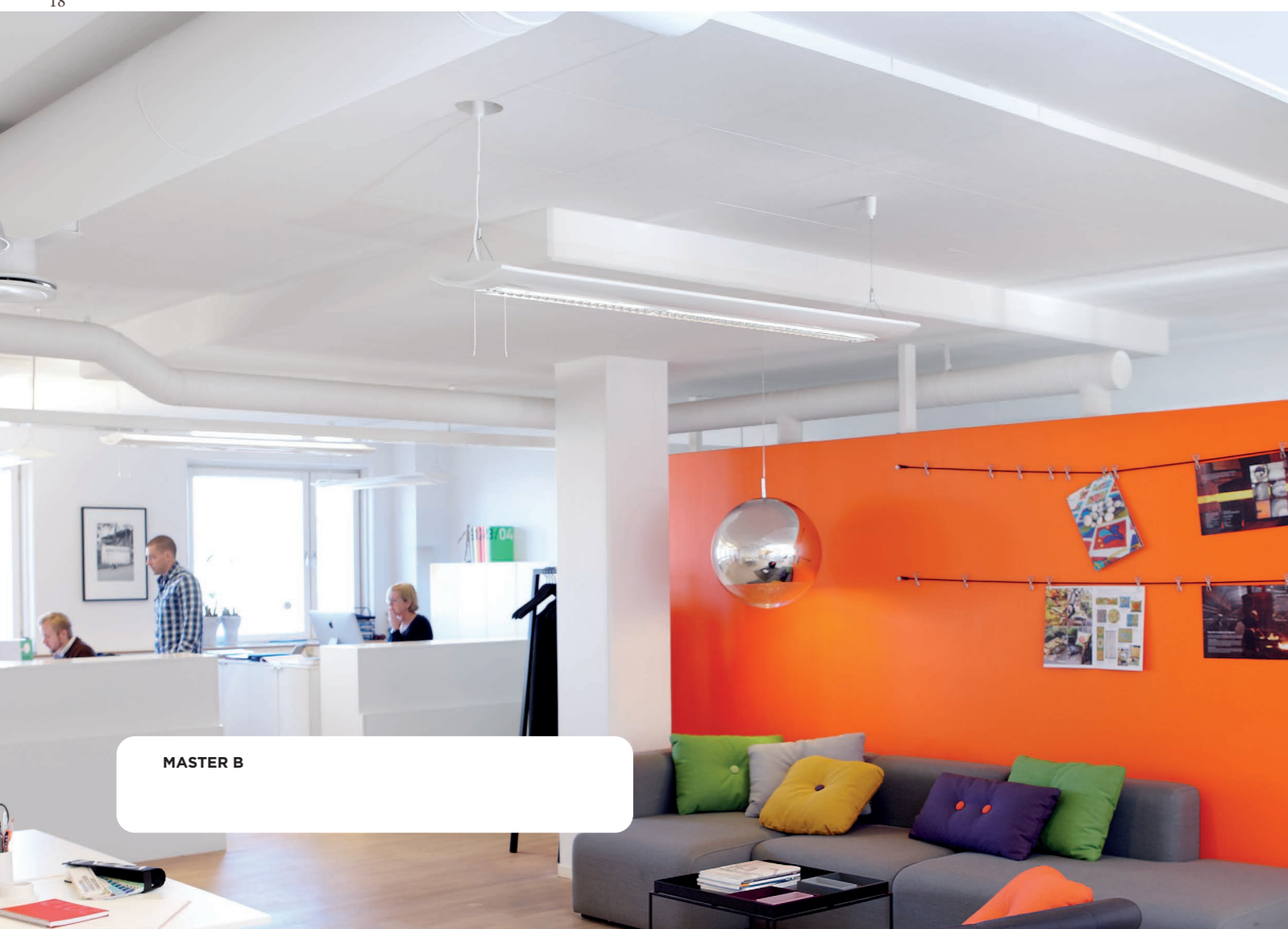
Meer product- en systeeminformatie, zoals installatie-instructies en duurzaamheidsdocumentatie, vindt u op www.ecophon.nl



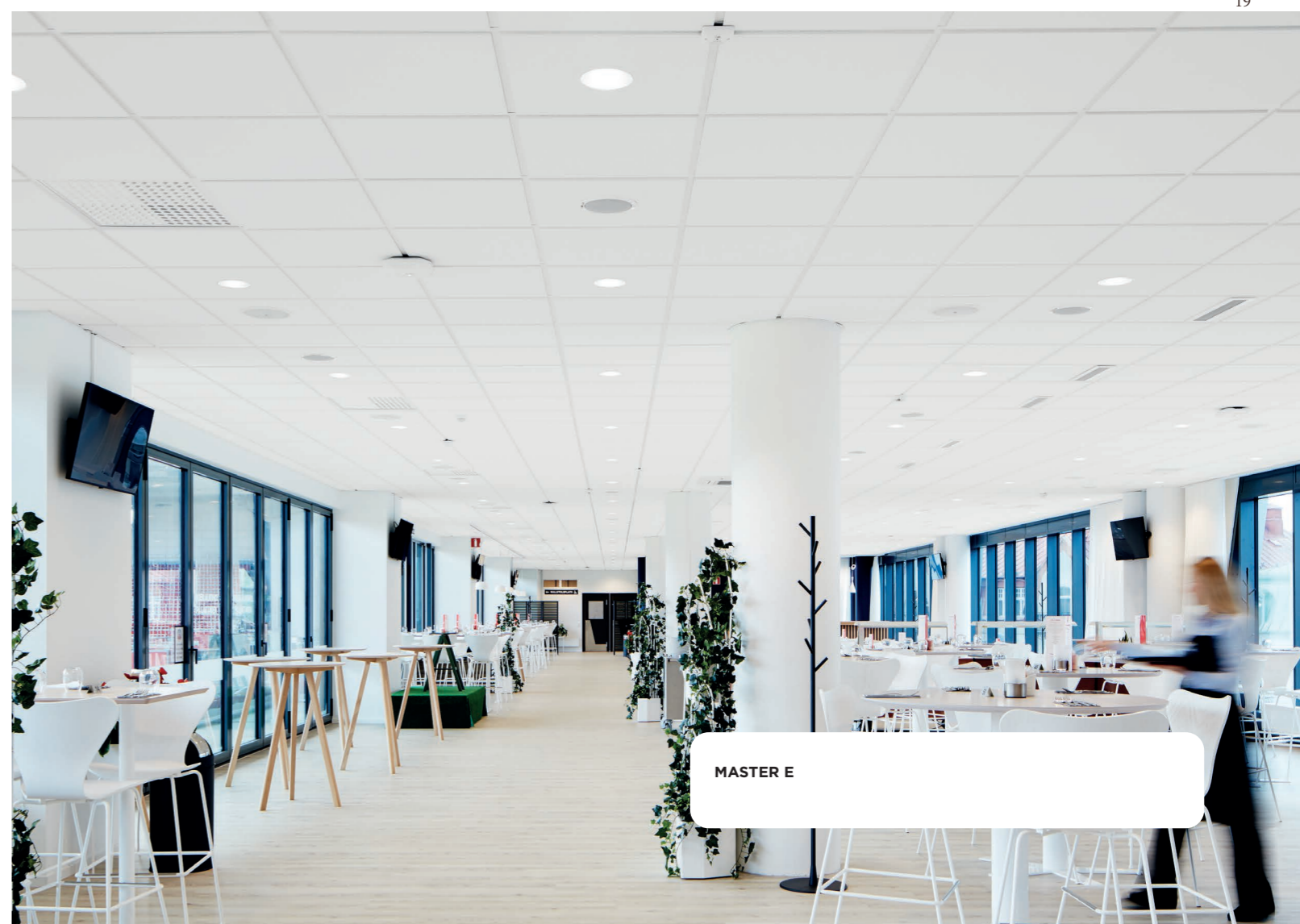
MASTER A



MASTER Ds



MASTER B



MASTER E



20

MASTER Eg



MASTER SQ



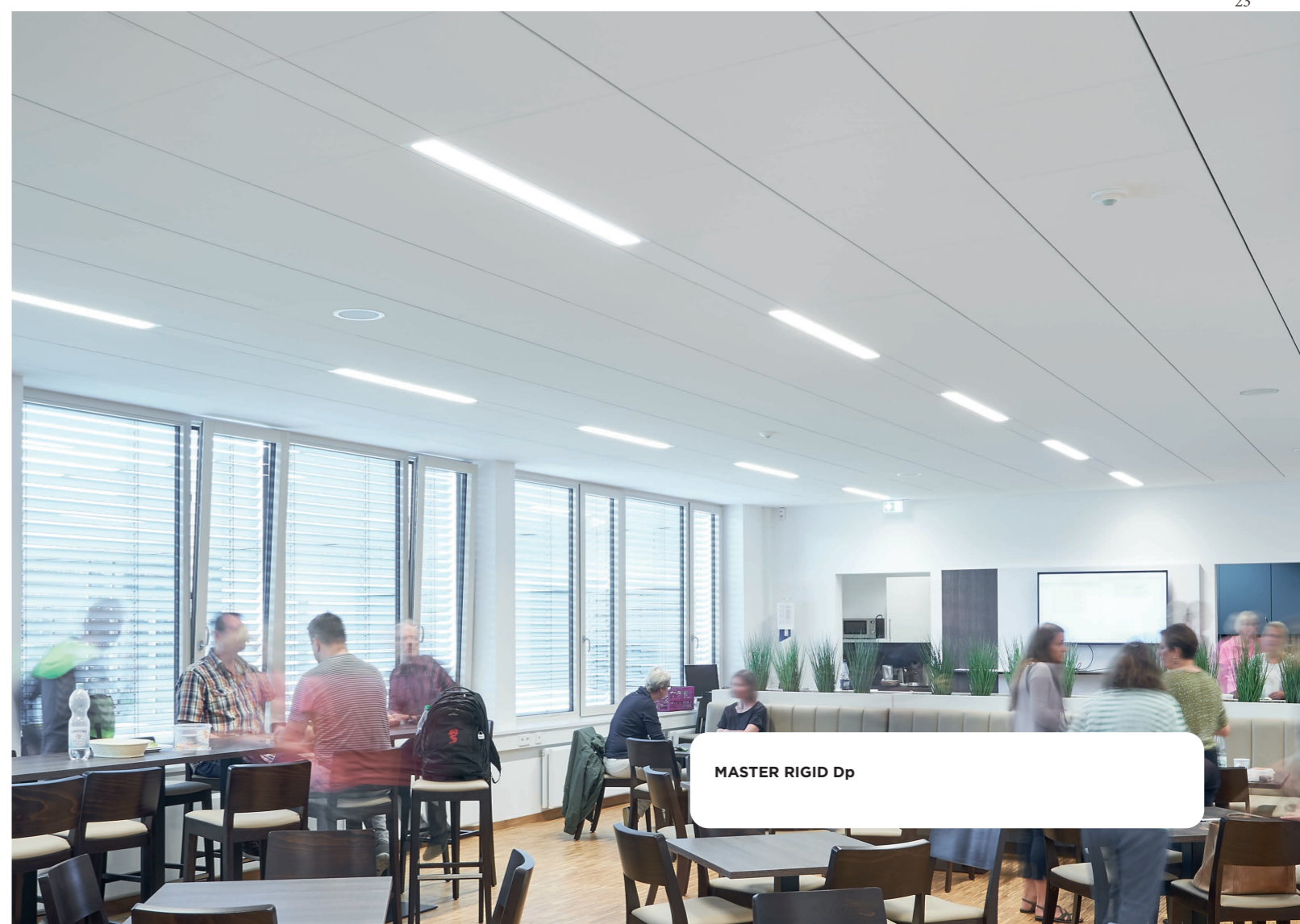
MASTER F



MASTER RIGID E



MASTER RIGID A



MASTER RIGID Dp

Producten

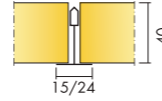
Functionele eigenschappen

**Akoestiek, technische eigenschappen en
installatieschema's**

Master A	26
Master B.....	28
Master Ds	30
Master E.....	32
Master Eg	34
Master SQ	36
Master F.....	38
Master Rigid A.....	40
Master Rigid E.....	42
Master Rigid Dp.....	44

Of scan de QR code naar de
productpagina's op onze NL
website:



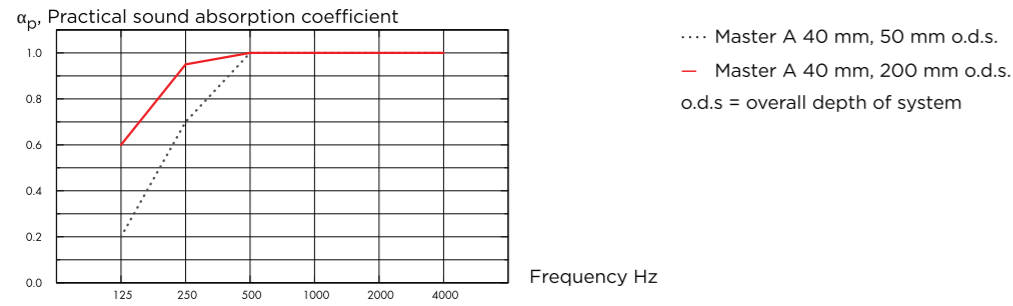


Ecophon Master™ A

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. 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	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	50	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A
40	200	0.60	0.95	1.00	1.00	1.00	1.00	1.00	A

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110	D_{nfw} Weighted normalized flanking level difference, ISO 10848-2	CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413
40	200	28	30

INDOOR AIR QUALITY:

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

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.

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

	kg CO ₂ equiv/m ²
Master A	3,70
Master A, CarbonLow (EN 15804+A2)	2,40

CIRCULARITY: Minimum post-consumer recycled content: 59%, 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

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x40: A, 20, 7.20, 1200x600x40: A, 10, 7.20, 1200x1200x40: A, 6, 8.64, 625x625x40: A, 20, 7.81,

SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master A: 2,5, Master A + Connect grid system: 3,5,

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 easily demountable. Minimum demounting depth according to installation diagrams.

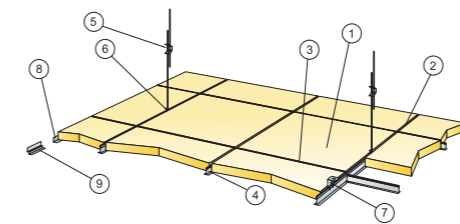
INSTALLATION: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

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.

MECHANICAL PROPERTIES: See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.

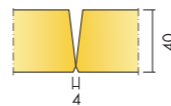
INSTALLATION DIAGRAM IN DETAIL WWW.ECOPHON.COM

M56
Installation diagram (M56) for Ecophon Master A



© Ecophon Group

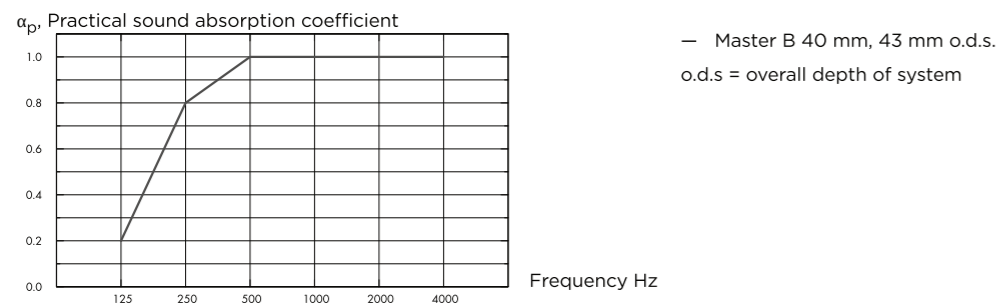
Ecophon Master™ B



ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. 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	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	40	0.20	0.80	1.00	1.00	1.00	1.00	1.00	A

INDOOR AIR QUALITY:

Certificate / Label	G35xxxxxx articles	CarbonLow
Eurofins Indoor Air Comfort*	IAC Gold	IAC Gold
French VOC	A+	A+
Finnish M1		•

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.

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

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

	kg CO ₂ equiv/m ²
Master B	6,50
Master B, CarbonLow (EN 15804+A2)	3,91

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: The tiles are not demountable.

INSTALLATION: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Rendered surfaces must have sufficient strength to be able to carry the load imposed by the tiles. If doubts, test gluing should be carried out. The surface should always be dry and clean. For best result the surface should be even.

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x40: B, 10, 3.60, 1200x600x40: B, 6, 4.32,

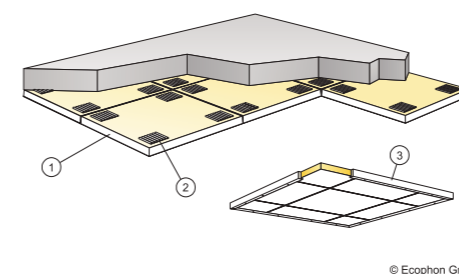
SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master B: 3,6,

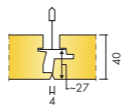
MECHANICAL PROPERTIES: Additional live load has to be fixed to the soffit.

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

M113
Installation diagram (M113) for Ecophon Master B, using Connect Absorber glue



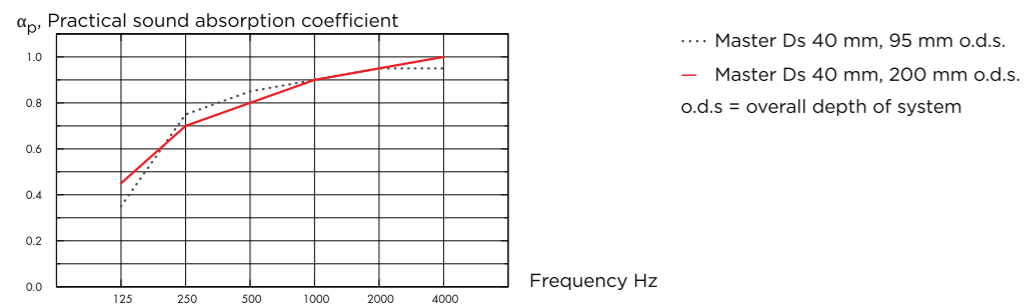


Ecophon Master™ Ds

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. 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	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	95	0.35	0.75	0.85	0.90	0.95	0.95	0.90	A
40	200	0.45	0.70	0.80	0.90	0.95	1.00	0.90	A

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110	D_{nfw} Weighted normalized flanking level difference, ISO 10848-2	CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413
40	200	32	33

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.

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

	kg CO ₂ equiv/m ²
Master Ds	7,10

CIRCULARITY: Minimum post-consumer recycled content: 63%, 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 easily demountable. Minimum demounting depth according to installation diagrams.

INSTALLATION: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. The systems are not recommended for small rooms (approximately 2x2 m²). Ceilings with a large amount of integrations require careful planning, design and installation.

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x40: Ds, 10, 3.60, 1200x600x40: Ds, 6, 4.32,

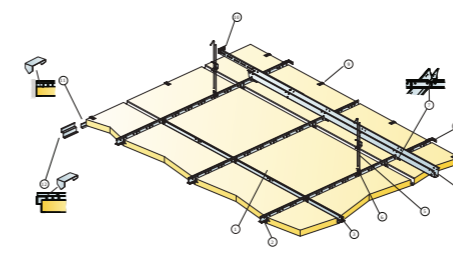
SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master Ds: 4,4, Master Ds + Connect grid system: 5,3,

MECHANICAL PROPERTIES: See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.

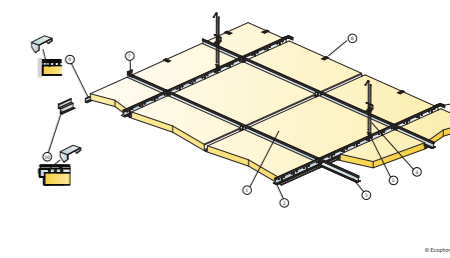
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM IN DETAIL WWW.ECOPHON.COM

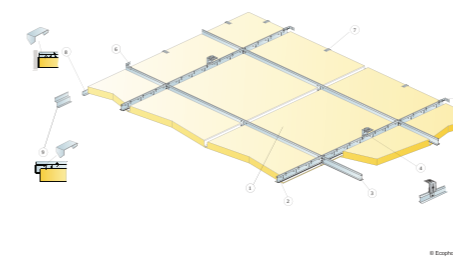
M626
Installation diagram (M626) for Ecophon Master Ds. Suspended installation

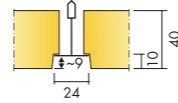


M627
Installation diagram (M627) for Ecophon Master Ds 600x600 mm. Suspended installation



M628
Installation diagram (M628) for Ecophon Master Ds 600x600 mm. Direct installation



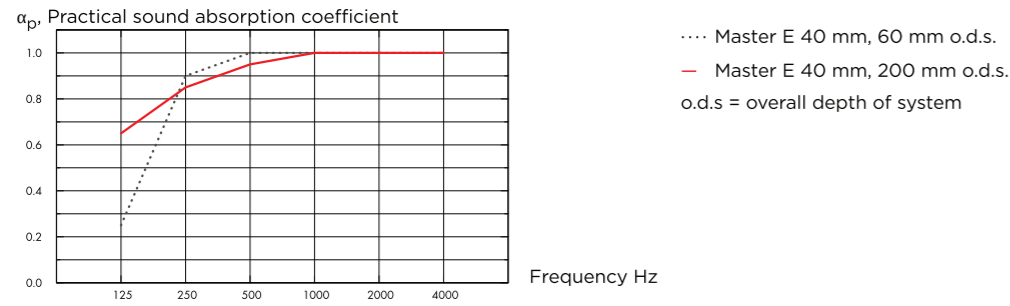


Ecophon Master™ E

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. 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	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	60	0.25	0.90	1.00	1.00	1.00	1.00	1.00	A
40	200	0.65	0.85	0.95	1.00	1.00	1.00	1.00	A

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110	D_{nfw} Weighted normalized flanking level difference, ISO 10848-2	CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413
40	200	29	31

INDOOR AIR QUALITY:

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

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.

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

	kg CO ₂ equiv/m ²
Master E	6,10
Master E, CarbonLow (EN 15804+A2)	3,50

CIRCULARITY: Minimum post-consumer recycled content: 61%, 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 easily demountable. Minimum demounting depth according to installation diagrams.

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

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x40: E, 10, 3.60, 1200x600x40: E, 6, 4.32, 1200x1200x40: E, 4, 5.76,

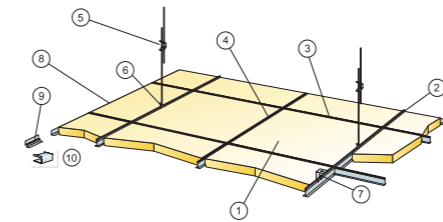
SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master E: 3,5, Master E + Connect grid system: 4,5,

MECHANICAL PROPERTIES: See table about Max live load and Min load bearing capacity and 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.

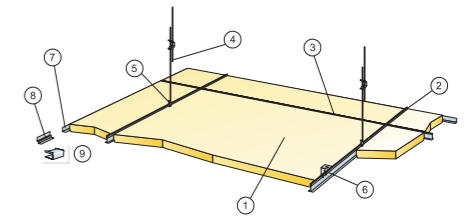
INSTALLATION DIAGRAM IN DETAIL WWW.ECOPHON.COM

M58
Installation diagram (M58) for Ecophon Master E

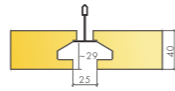


© Saint-Gobain Ecophon AB

M567
Installation diagram (M567) for Ecophon Master E 1200x1200



© Saint-Gobain Ecophon AB

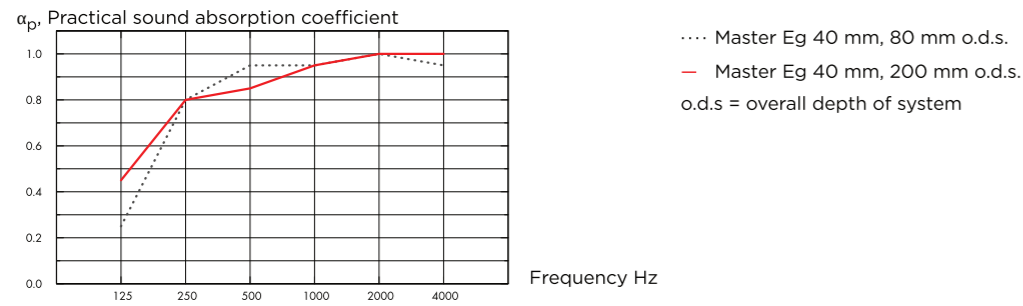


Ecophon Master™ Eg

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.



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	80	0.25	0.80	0.95	0.95	1.00	0.95	1.00	A
40	200	0.45	0.80	0.85	0.95	1.00	1.00	0.95	A

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110
40	200

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.

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

	kg CO ₂ equiv/m ²
Master Eg	6,10

CIRCULARITY: Minimum post-consumer recycled content: 61%, 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 easily demountable. Minimum demounting depth according to installation diagrams.

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

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x40: Eg, 10, 3.60, 1200x600x40: Eg, 6, 4.32, 1200x1200x40: Eg, 4, 5.76, 2400x600x40: Eg, 4, 5.76,

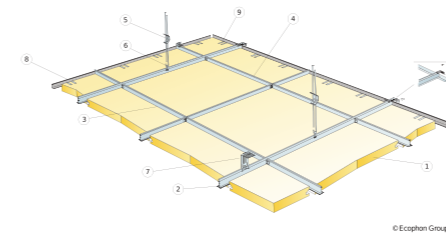
SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master Eg: 3,6, Master Eg + Connect grid system: 4,6,

MECHANICAL PROPERTIES: See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.

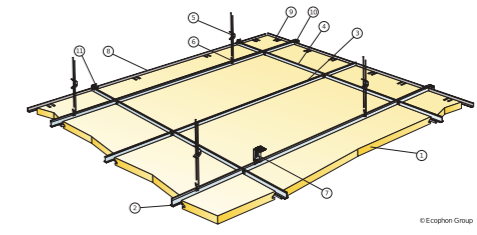
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM IN DETAIL WWW.ECOPHON.COM

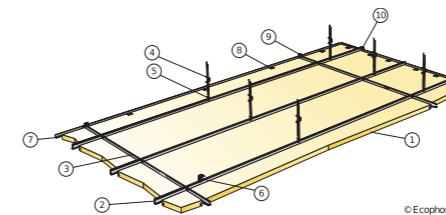
M498
Installation diagram (M498) for Ecophon Master Eg



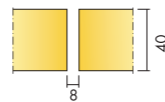
M499
Installation diagram (M499) for Ecophon Master Eg



M500
Installation diagram (M500) for Ecophon Master Eg



Ecophon Master™ SQ

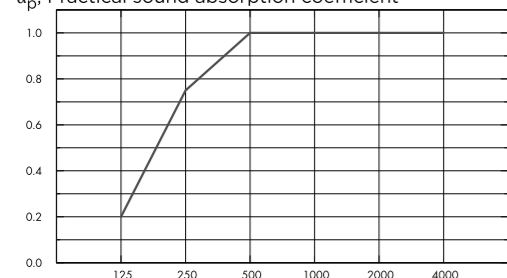


ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.

α_p , Practical sound absorption coefficient



— Master SQ 40 mm, 43 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	40	0.20	0.75	1.00	1.00	1.00	1.00	1.00	A

INDOOR AIR QUALITY:

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

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.

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

	kg CO ₂ equiv/m ²
Master SQ	9,20
Master SQ, CarbonLow (EN 15804+A2)	3,26

CIRCULARITY: Minimum post-consumer recycled content: 60%, 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 not demountable.

INSTALLATION: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Rendered surfaces must have sufficient strength to be able to carry the load imposed by the tiles. If doubts, test gluing should be carried out. The surface should always be dry and clean. For best result the surface should be even, however an acceptable result could be achieved on slightly uneven surfaces.

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x40: SQ, 10, 3.60, 1200x600x40: SQ, 6, 4.32,

SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master SQ: 3,6,

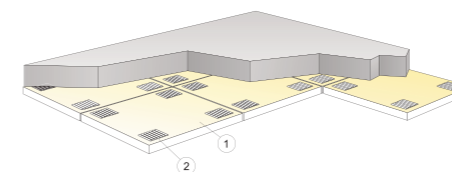
MECHANICAL PROPERTIES: Additional live load has to be fixed to the soffit.

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

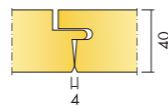
M106

Installation diagram (M106) for Ecophon Master SQ, using Connect Absorber glue



© Ecophon Group

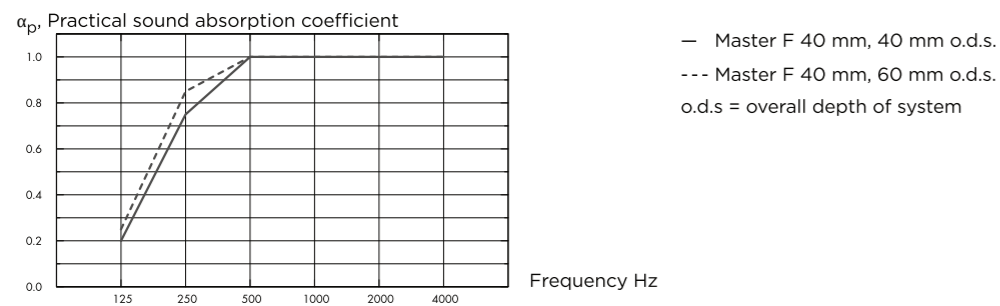
Ecophon Master™ F



ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. 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	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	40	0.20	0.75	1.00	1.00	1.00	1.00	1.00	A
40	60	0.25	0.85	1.00	1.00	1.00	1.00	1.00	A

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.

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

	kg CO ₂ equiv/m ²
Master F	7,30

CIRCULARITY: Minimum post-consumer recycled content: 63%, 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 not demountable.

INSTALLATION: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. For best result the surface should be even, however an acceptable result could be achieved on slightly uneven surfaces. If very uneven surfaces – installation of furring (evenly spaced timber battens) as the substrate for the tiles is recommended.

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x40: F, 10, 3.60, 1200x600x40: F, 6, 4.32,

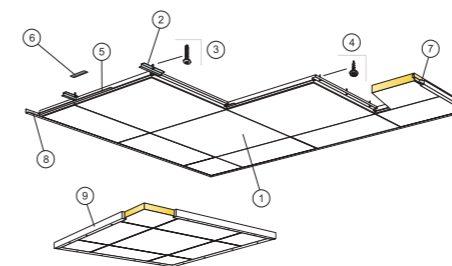
SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master F: 4,3,

MECHANICAL PROPERTIES: Additional live load has to be fixed to the soffit.

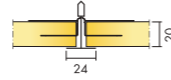
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM IN DETAIL WWW.ECOPHON.COM

M52
 Installation diagram (M52) for Ecophon Master F



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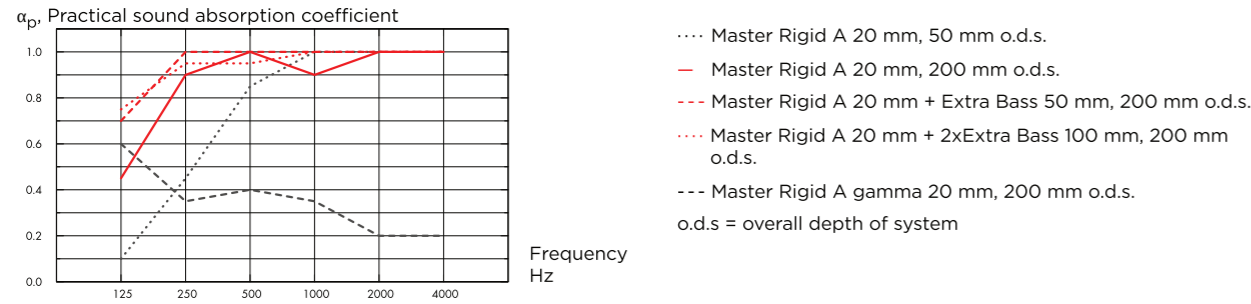


Ecophon Master™ Rigid A

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.



	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		
-	20	50	0.10	0.45	0.85	1.00	1.00	1.00	0.75	C
-	20	200	0.45	0.90	1.00	0.90	1.00	1.00	1.00	A
+ Extra Bass	70	200	0.70	1.00	1.00	1.00	1.00	1.00	1.00	A
+ 2xExtra Bass	120	200	0.75	0.95	0.95	1.00	1.00	1.00	1.00	A
gamma	20	200	0.60	0.35	0.40	0.35	0.20	0.20	0.30	D

INDOOR AIR QUALITY:

Certificate / Label

Eurofins Indoor Air Comfort® IAC Gold
French VOC A+

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

	kg CO ₂ equiv/m ²
Master Rigid A	2,95

CIRCULARITY: Minimum post-consumer recycled content: 46%, 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 secured in the grid, but demountable. Minimum demounting depth according to installation diagrams.

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

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x20: A, 28, 10.08, 1200x600x20: A, 14, 10.08, 625x625x20: A, 28, 10.94, 1600x600x20: A, 12, 11.52, 1800x600x20: A, 12, 12.96, 2000x600x20: A, 12, 14.40, 2400x600x20: A, 12, 17.28,

SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master Rigid A: 1,6, Master Rigid A + Connect grid system: 2,6,

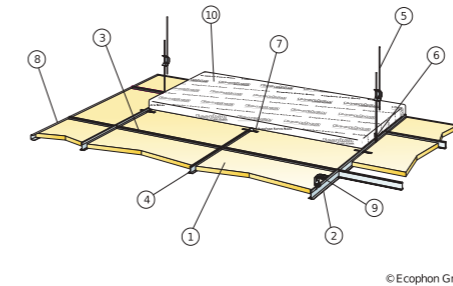
MECHANICAL PROPERTIES: See table regarding the min- and max- load bearing capacities and functional demands.

IMPACT RESISTANCE: M316: 3A,

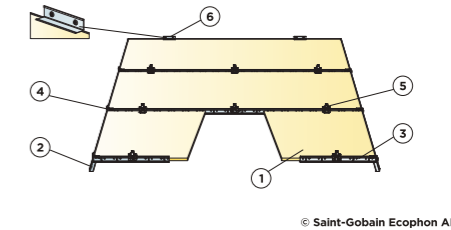
CE: Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

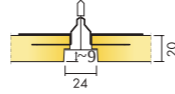
INSTALLATION DIAGRAM IN DETAIL WWW.ECOPHON.COM

M316EB
Installation diagram (M316EB) for Ecophon Master Rigid A



M333
Installation diagram (M333) for Ecophon Master Rigid A XL in corridors



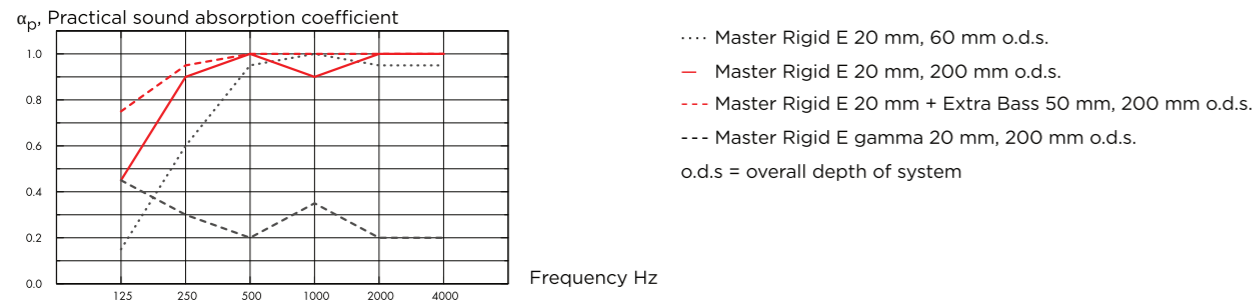


Ecophon Master™ Rigid E

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.



	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		
-	20	60	0.15	0.60	0.95	1.00	0.95	0.95	0.90	A
-	20	200	0.45	0.90	1.00	0.90	1.00	1.00	1.00	A
+ Extra Bass	70	200	0.75	0.95	1.00	1.00	1.00	1.00	1.00	A
gamma	20	200	0.45	0.30	0.20	0.35	0.20	0.20	0.25	E

SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master Rigid E: 1,6, Master Rigid E + Connect grid system: 2,6,

MECHANICAL PROPERTIES: See table regarding the min- and max- load bearing capacities and functional demands.

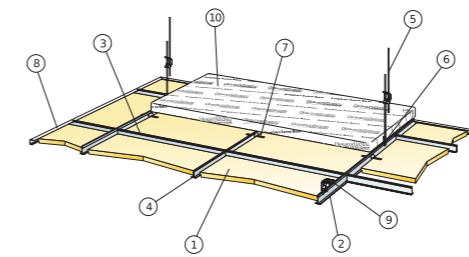
IMPACT RESISTANCE: Tested and classified according to EN 13964 annex D. M317: 3A,

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

M317EB

Installation diagram (M317EB) for Ecophon Master Rigid E



© Ecophon Group

INDOOR AIR QUALITY:

Certificate / Label

Eurofins Indoor Air Comfort® IAC Gold
French VOC A+

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

	kg CO ₂ equiv/m ²
Master Rigid E	3,27

CIRCULARITY: Minimum post-consumer recycled content: 45%, 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

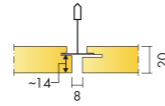
VISUAL APPEARANCE: White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.

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

ACCESSIBILITY: The tiles are secured in the grid, but demountable. Minimum demounting depth according to installation diagrams.

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

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x20: E, 20, 7.20, 1200x600x20: E, 10, 7.20,

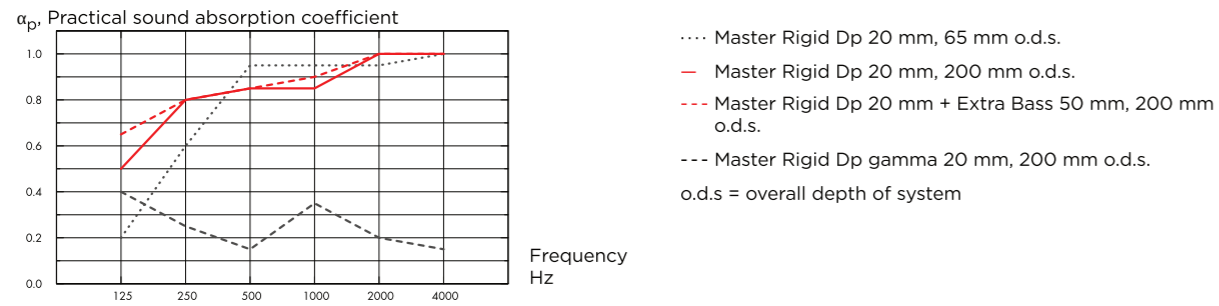


Ecophon Master™ Rigid Dp

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.



	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		
-	20	65	0.20	0.60	0.95	0.95	0.95	1.00	0.90	A
-	20	200	0.50	0.80	0.85	0.85	1.00	1.00	0.90	A
+ Extra Bass	70	200	0.65	0.80	0.85	0.90	1.00	1.00	0.90	A
gamma	20	200	0.40	0.25	0.15	0.35	0.20	0.15	0.20	E

INDOOR AIR QUALITY:

Certificate / Label

Eurofins Indoor Air Comfort® IAC Gold
French VOC A+

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

	kg CO ₂ equiv/m ²
Master Rigid Dp	4,95
Extra Bass	1,62

CIRCULARITY: Minimum post-consumer recycled content: 55%, 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 secured in the grid, but demountable. Minimum demounting depth according to installation diagrams.

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

PACKAGING INFORMATION: Information is indicative and subject to change. 600x600x20: Dp, 20, 7.20, 1200x600x20: Dp, 10, 7.20,

SYSTEM WEIGHT: Weight information is indicative and subject to variation. Master Rigid Dp: 2,5, Master Rigid Dp + Connect grid system: 3,5,

MECHANICAL PROPERTIES: See table regarding the min- and max- load bearing capacities and functional demands.

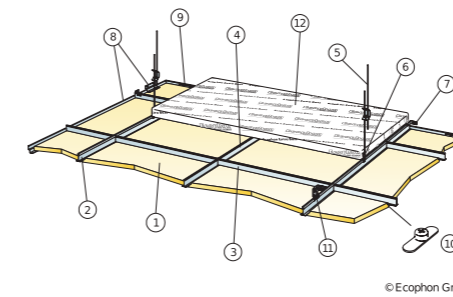
IMPACT RESISTANCE: Tested and classified according to EN 13964 annex D. M318: 3A,

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

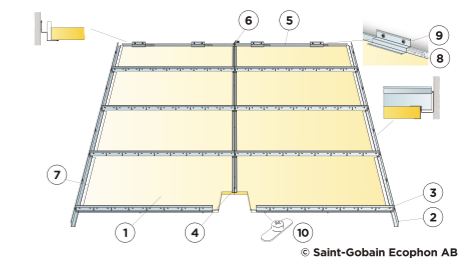
M318EB

Installation diagram (M318EB) for Ecophon Master Rigid Dp



M319

Installation diagram (M319) for Ecophon Master Rigid Dp in corridors



Duurzaamheid

Op weg naar net-zero akoestiek

Duurzaamheid is geen modewoord, maar een gezamenlijke inspanning om mens en planeet te beschermen. Dat vraagt om eerlijkheid, transparantie en échte betrokkenheid.

Daarom blijft Ecophon zich inzetten voor betere materialen, duidelijke principes en open communicatie rond het thema duurzaamheid.

We stimuleren actief een sectorbrede verschuiving naar gestandaardiseerde en toegankelijke

milieuproductverklaringen (EPD's) per individueel product - in plaats van generieke verklaringen voor hele productfamilies. Deze verklaringen geven inzicht in de volledige levenscyclus: van grondstofwinning tot end-of-life, niet alleen de meest gunstige fases.

We nemen afstand van zelfbedachte keurmerken of duurzaamheidsclaims zonder onafhankelijke toetsing. Onze doelstellingen voor net-zero uitstoot zijn gevalideerd door het gerenommeerde Science Based Targets-initiatief. Een écht duurzame toekomst begint bij een eerlijke benadering, met hoge ambities en oprechte intenties. Zo bouwen we samen verder aan een betere wereld.

Ecophon is dé toonaangevende leverancier van akoestische oplossingen voor binnenomgevingen die de werkprestaties en de kwaliteit van leven verbeteren. Wij geloven in het verschil dat geluid kan maken in ons dagelijks leven en zijn gepassioneerde voorstanders van de invloed van ruimteakoestiek op het welzijn van mensen - ongeacht de ruimte, activiteit of behoefte.

A Sound Effect on People is het principe dat alles wat we doen, bepaalt. We zijn trots op het Zweedse erfgoed en de menselijke benadering waarop deze belofte is gebaseerd. En als onderdeel van de Saint-Gobain Group dragen we bij aan Making the world a better home.



Saint-Gobain Ecophon Nederland
Parallelweg 17, 4878 AH Etten-Leur
Tel: +31 (0)76 502 00 00
info@ecophon.nl
www.ecophon.nl

