

ECOPHON

# SAGA™

THE NATURAL BEAUTY OF WOOD





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# A SOUND EFFECT

## ON PEOPLE

Saint-Gobain Ecophon contributes to good indoor environments for working, healing and learning. We do this by developing, manufacturing and delivering acoustic products and systems designed around the natural evolution of human hearing – replicating the outdoor sound experience indoors, because that’s just better for people.

Having a sound effect on people, in every way we can, is what we do proudly. That promise makes every one of us a passionate advocate for the importance of room acoustics to people’s wellbeing – whatever the space, activity or need.



# GOOD ACOUSTICS

MATTER EVERYWHERE

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The importance of acoustics is underappreciated. Sound impacts us in daily life, and the scientific support for improving our indoor sound environments is well-documented.

And what exactly is an ideal indoor sound environment for people? One based on how we experience sound outside. The human auditory sense is naturally adapted to an outdoor environment where there is not any sound reflections from ceilings and walls.

That's why most of what we do at Ecophon is about replicating the acoustic qualities found in nature for indoor environments. We want to optimise indoor spaces to our natural way of hearing, so that speech and sound is easy to hear and understand, when needed, improving performance and wellbeing.

Usually that starts with the ceiling. A wall-to-wall acoustic ceiling is the easiest way to get a large sound-absorbing surface area into a space, and is usually the best way to reduce sound strength, shorten reverberation times, and increase speech clarity and overall hearing comfort.



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TOWARDS

# NET-ZERO ACOUSTICS

Sustainability is more than a word – it's a collective movement to protect people and the planet that requires honest commitment and genuine care. That's why Ecophon is building on better materials, transparency, and principles, to name just a few.

We actively support an industry-wide drive to standardised, easy-access Environmental Product Declarations for individual products, rather than product families. Their inclusion of full lifecycle data, from raw material sourcing to end of life, rather than only the favourable stages. A move away from self-declared labels, or non-independently verified sustainability claims. And for any promises of net zero carbon emission targets to be validated by the Science-Based Targets initiative.

If we're going to build a sustainable future, it has to start with an honest approach, high ambition and the best of intentions – to build on better together.



# ECOPHON SAGA™

## THE NATURAL BEAUTY OF WOOD

Ecophon Saga™ combines timeless wood design with complete systems for good sound absorption utilising Ecophon absorbers and Connect™ grids. The visible surface with shredded wood gives a natural aesthetic.

- Absorption class from A to D depending on the system
- A wood wool range with 4 different edges
- Utilising Ecophon mineral wool absorbers for optimal sound absorption

*A tale of tranquility,  
told by trees.  
embraced by nature.*







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# MATERIAL ADVANTAGES

## COMFORTABLE INDOOR CLIMATE

Wood wool has the capacity to store heat and has a porous structure that can balance the room’s humidity by absorbing and releasing moisture. The result is a more comfortable indoor climate with reduced temperature fluctuations and energy consumption.

## RESISTANCE TO MOULD AND ROT

Ecophon Saga™ also resists mould and rot, making it suitable for environments characterised by high humidity or activity levels, such as sports venues.

## REPAINTABLE WITH CONSISTENT SOUND ABSORPTION

A unique feature of Ecophon Saga™ is that the robust surface can be repainted without compromising sound absorption.

## LOCALLY SOURCED SWEDISH WOOD

The wood wool plant is located in the Swedish countryside, where it carefully redefines wood into sound absorption panels. Only certified and locally grown timber within an approximately 50-km radius is used as raw material.

## OUR ROAD TO SUSTAINABILITY

Ecophon aims to be the first net-zero acoustic solutions manufacturer. As we constantly develop the acoustic performance of our product offerings, we also strive to improve environmental sustainability through transparency and innovation.

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ECOPHON SAGA™ A

### ECOPHON SAGA™ A

#### ECOPHON SAGA™ A A2

Ecophon Saga™ A has either an exposed grid system with easily demountable tiles or is directly fixed using screws. Mineral wool is used for a system with optimised sound absorption. Used in interior design of public and residential buildings, for a natural and warm look.

- Absorption class from A to D depending on the system
- Wood wool edges
- Easily demountable tiles
- Ecophon Saga™ A A2 has fire class A2-s1,d0



ECOPHON SAGA™ B

### ECOPHON SAGA™ B

#### ECOPHON SAGA™ B A2

Ecophon Saga™ B is bonded edge-to-edge and directly fixed using screws. The bevelled edge creates a narrow groove between the tiles. For applications where the minimum possible overall depth of system is required.

- Absorption class from A to D depending on the system
- Bevelled edges
- For easy direct fixing with screws
- Ecophon Saga™ B A2 has fire class A2-s1,d0



ECOPHON SAGA™ D

### ECOPHON SAGA™ D

#### ECOPHON SAGA™ D A2

Ecophon Saga™ D has a concealed grid and bevelled edges with a narrow groove between each tile. For applications with high demand on both acoustics and design, and where individual tiles must be easily demountable.

- Absorption class D, B or A depending on system
- Discreet edge design
- Easy assembly
- Ecophon Saga™ D A2 has fire class A2-s1,d0



ECOPHON SAGA™ E

### ECOPHON SAGA™ E

#### ECOPHON SAGA™ E A2

Ecophon Saga™ E has a recessed visible grid and a tegular edge, creating a ceiling with a shadow effect that accentuates each tile and partially conceals the grid. For applications where an attractive suspended ceiling is required and easy removal of individual tiles is essential.

- Absorption class from A to D depending on the system
- Painted natural edges
- Easily demountable tiles with shadow effect
- Ecophon Saga™ E A2 has fire class A2-s1,d0



SURFACE STRUCTURE

Saga is produced with three different surface structures: Normal, with 2.5 mm wool width, Discreet, with 1.5 mm wool width, or Elegant, with 1 mm wool width. The thin structures give a modern and stylish expression while the normal version adds a more prominent one and rustic aesthetic to the room.

NORMAL 2.5 MM



DISCREET 1.5 MM



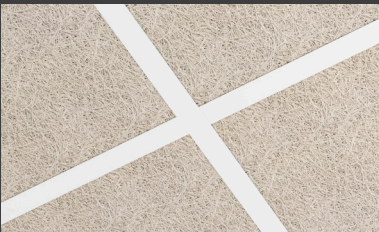
ELEGANT 1 MM



EDGES

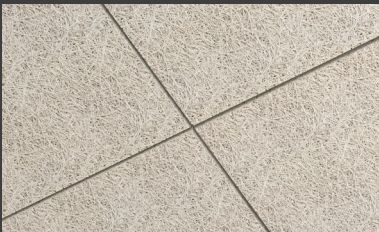
ECOPHON SAGA™ A  
ECOPHON SAGA™ A A2

1200x600  
600x600  
2400x600\*



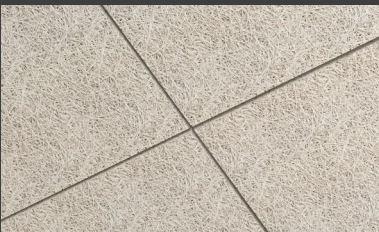
ECOPHON SAGA™ B  
ECOPHON SAGA™ B A2

1200x600  
600x600  
2400x600



ECOPHON SAGA™ D  
ECOPHON SAGA™ D A2

1200x600  
600x600



ECOPHON SAGA™ E  
ECOPHON SAGA™ E A2

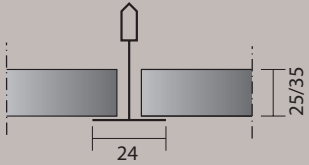
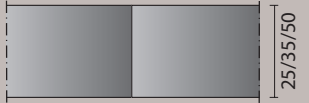
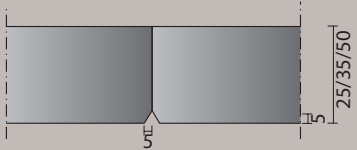
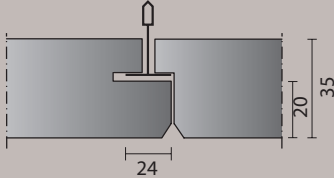
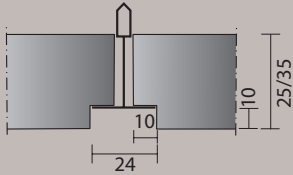
1200x600  
600x600



NOTE.  
\* For direct fix only.



ECOPHON SAGA™ OVERVIEW

EDGE DESIGN	PRODUCT	ABSORPTION CLASS	CONNECT GRID	SIZES (MM)	PANEL THICKNESS	SURFACE STRUCTIRE
	Ecophon Saga™ A Ecophon Saga™ A A2	Up to A	Connect™ T24 HD system	600x600 1200x600	25, 35	1.0, 1.5, 2.5
	Ecophon Saga™ A Ecophon Saga™ A A2	Up to A	Direct fixing	600x600 1200x600 2400x600	25, 35, 50*	1.0, 1.5, 2.5
	Ecophon Saga™ B Ecophon Saga™ B A2	Up to A	C-profile Plus or Direct fixing	600x600 1200x600 2400x600	25, 35, 50*	1.0, 1.5, 2.5
	Ecophon Saga™ D Ecophon Saga™ D A2	Up to A	Connect™ T24 HD system	600x600 600x1200	35	1.0, 1.5, 2.5
	Ecophon Saga™ E Ecophon Saga™ E A2	Up to A	Connect™ T24 HD system	600x600 600x1200	25, 35	1.0, 1.5, 2.5

**NOTE**  
\* Only available in fibre thickness 2.5.



COLOURS AND SURFACES

Ecophon Saga™ consists of wood wool, water and cement. Wood is a long-lasting material that will look beautiful throughout its long lifetime.

The colour range includes a wide range of attractive colours. Also, Saga is available in any custom color, specified according to NCS or RAL color codes.

COLOURS



**NATURAL**  
Light reflectance 55.1%.



**WHITE**  
Nearest NCS colour sample S 0601-Y.  
Light reflectance 82.1%.



**LIGHT GREY**  
Nearest NCS colour sample S 3005-B.  
Light reflectance 40.0%.



**CEMENT GREY**  
Light reflectance 30.5%.



**DARK GREY**  
Nearest NCS colour sample S 7502-B.  
Light reflectance 9.0%.



**CUSTOM COLOUR**  
Any NCS or RAL colour code

The Nordic collection is inspired by the Nordic nature. These are all calm colours that do well on large surfaces, suit many different environments, and are easy to combine with other coloured materials.

Note: Colours may vary slightly between different production batches. Reproduction of colours vary between print and reality.

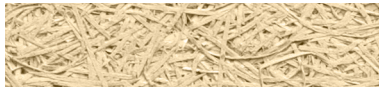
NORDIC COLLECTION



**FOG**  
Nearest NCS colour sample S 3000-N.  
Light reflectance 35.6%.



**MOUNTAIN**  
Nearest NCS colour sample S 3005-B50G.  
Light reflectance 42%.



**LUSH**  
Nearest NCS colour sample S 1010-Y10R.  
Light reflectance 72.8%.



**GLADE**  
Nearest NCS colour sample S 2010 G40Y.  
Light reflectance 44.3%.



**COASTLINE**  
Nearest NCS colour sample S 1502-Y.  
Light reflectance 56.5%.



**SAND**  
Nearest NCS colour sample S3005-B50G.  
Light reflectance 42%.



**SUMMER**  
Nearest NCS colour sample S 1510-Y50R.  
Light reflectance 48.3%.



**LILAC**  
Nearest NCS colour sample S 1505-R50B.  
Light reflectance 57.3%.

**NOTE**  
Colours may vary slightly between different production batches. Reproduction of colours vary between print and reality.



This Environmental Product Declaration (EPD) describes the environmental impact of 1 m<sup>2</sup> of acoustic ceiling with the intended use to increase sound absorption in a room to create a better indoor environment. Ecophon Saga™ panels contribute to a healthy indoor environment with acoustic absorption and low VOC emissions in line with the strictest requirements. The carbon footprint of our Saga panels is third-party verified in Environmental Product Declarations.

More product and system information such as installation help and maintenance guide can be found at [www.ecophon.com](http://www.ecophon.com)





ECOPHON SAGA™ D



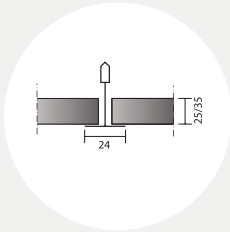
# SYSTEM

## PROPERTIES

### ACOUSTICS, TECHNICAL PROPERTIES AND INSTALLATION DIAGRAMS

- 26 Saga A
- 30 Saga A A2
- 33 Saga B
- 37 Saga B A2
- 41 Saga D
- 43 Saga D A2
- 45 Saga E
- 48 Saga E A2



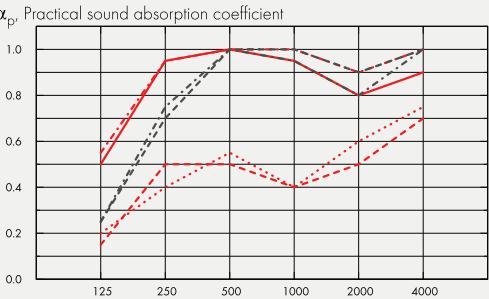


# Ecophon Saga™ A

## Acoustics:

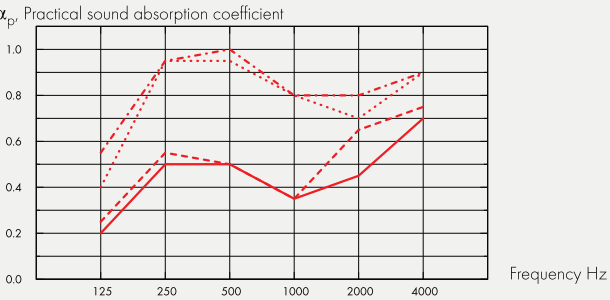
### Sound Absorption:

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.



- Saga A 25mm Elegant, 200 mm o.d.s.
- Saga A 25mm Elegant + Saga Acoustic, 200 mm o.d.s.
- Saga A 25mm Elegant + TECH Slab, 65 mm o.d.s.
- .... Saga A 35mm Elegant, 200 mm o.d.s.
- Saga A 35mm Elegant + TECH Slab, 200 mm o.d.s.
- Saga A 35mm Elegant + TECH Slab, 75 mm o.d.s.

o.d.s = overall depth of system



- Saga A 25mm Normal, 200 mm o.d.s.
- .... Saga A 25mm Normal + TECH Slab, 200 mm o.d.s.
- Saga A 35mm Normal, 200 mm o.d.s.
- Saga A 35mm Normal + TECH Slab, 200 mm o.d.s.

o.d.s = overall depth of system

	THK mm	o.d.s. mm	$\alpha_p$ , Practical sound absorption coefficient						$\alpha_w$	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 25mm	25	200	0.15	0.50	0.50	0.40	0.50	0.70	0.50	D
Elegant 25mm	25	25	0.05	0.10	0.20	0.45	0.75	0.55	0.30	D
Elegant 25mm + Saga Acoustic	65	200	0.50	0.95	1.00	0.95	0.80	0.90	0.90	A
Elegant 25mm + TECH Slab	65	200	0.50	0.90	1.00	1.00	0.80	0.95	0.90	A
Elegant 25mm + TECH Slab	65	65	0.25	0.75	1.00	0.95	0.80	1.00	0.90	A
Elegant 35mm	35	200	0.20	0.40	0.55	0.40	0.60	0.75	0.50	D
Elegant 35mm	35	35	0.10	0.15	0.30	0.55	0.70	0.70	0.35	D
Elegant 35mm + TECH Slab	75	200	0.55	0.95	1.00	1.00	0.90	1.00	1.00	A
Elegant 35mm + TECH Slab	75	75	0.25	0.70	1.00	1.00	0.90	1.00	0.95	A
Discreet 25mm	25	200	0.15	0.45	0.45	0.35	0.45	0.70	0.45	D
Discreet 25mm	25	25	0.05	0.10	0.20	0.50	0.70	0.60	0.30	D
Discreet 25mm + Saga Acoustic	65	200	0.45	0.95	0.95	0.85	0.65	0.85	0.75	C
Discreet 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.65	0.85	0.75	C
Discreet 25mm + TECH Slab	65	65	0.25	0.75	1.00	0.80	0.65	0.85	0.75	C
Discreet 35mm	35	200	0.25	0.50	0.55	0.40	0.60	0.80	0.50	D
Discreet 35mm	35	35	0.10	0.15	0.35	0.75	0.65	0.75	0.40	D
Discreet 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Discreet 35mm + TECH Slab	75	75	0.25	0.80	1.00	0.85	0.85	1.00	0.90	A
Normal 25mm	25	200	0.20	0.50	0.50	0.35	0.45	0.70	0.45	D
Normal 25mm	25	25	0.05	0.10	0.30	0.50	0.65	0.60	0.35	D
Normal 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + Saga Acoustic	65	200	0.35	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 35mm	35	200	0.25	0.55	0.50	0.35	0.65	0.75	0.45	D
Normal 35mm	35	35	0.05	0.15	0.35	0.75	0.60	0.80	0.40	D
Normal 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Normal 50mm	50	50	0.15	0.30	0.85	0.80	0.75	0.90	0.60	C

	THK mm	o.d.s. mm	NRC	SAA
Elegant 25mm	25	200	0.50	0.48
Elegant 25mm	25	25	0.40	0.37
Elegant 25mm + Saga Acoustic	65	200	0.95	0.92

## Indoor Air Quality:

Certificate / Label	Saga	Saga Acoustic	TECH Slab MT 3.1
Eurofins Indoor Air Comfort®	IAC Gold	IAC Gold	-
French VOC	A+	A+	A
Finnish M1	•		•



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

kg CO <sub>2</sub> equiv/m <sup>2</sup>	25 mm	35 mm	50 mm
Saga (white cement)	6,41	8,97	12,81
Saga (grey cement)	4,80	6,72	9,60
Saga (white cement) + Saga Acoustic	10,05	12,61	16,45
Saga (grey cement) + Saga Acoustic	8,44	10,36	13,24

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** Europe: EN 13501-1, B-s1,d0,

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

**Thermal Properties:** Thermal conductivity λ = 0,1 W/m·K according to EN 12664.

**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

**Accessibility:** Tiles suspended on T24 grids are demountable. Tiles directly mounted to the soffit are not demountable.

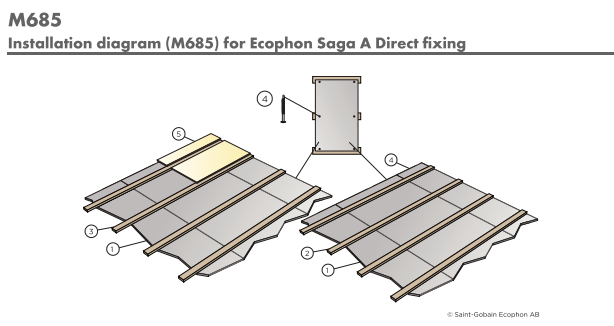
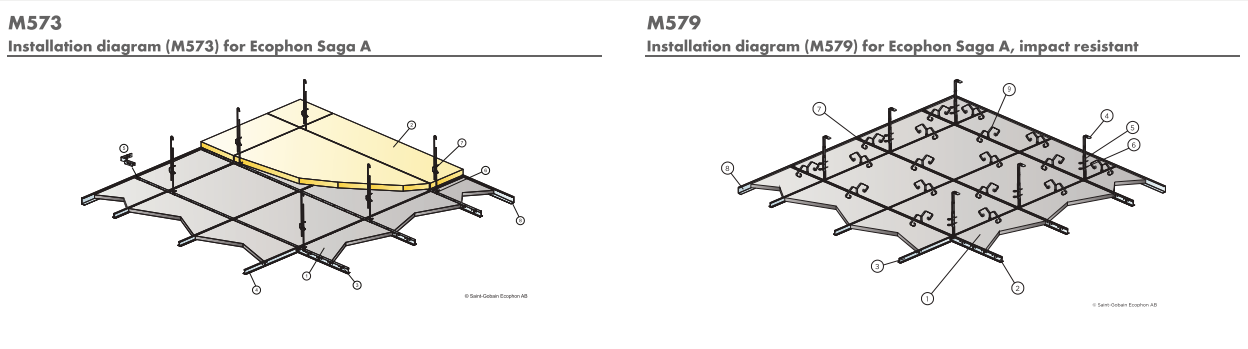
**System weight:** Weight information for panels only, per fiber size and panel thickness. Data is indicative and subject to variation. Elegant: 14.5, 16.5, -, Discreet: 14.0, 16.0, -, Normal: 13.5, 15.5, 19.0,

**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

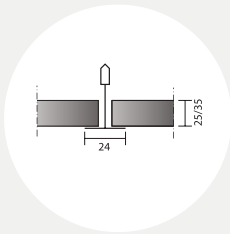
**Impact Resistance:** Tested and classified according to EN 13964 annex D. 25: M579, 2A,

**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). 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](http://www.ecophon.com)





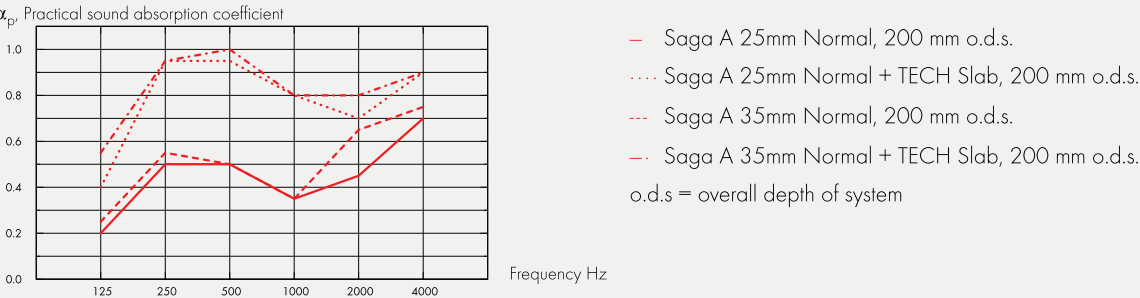
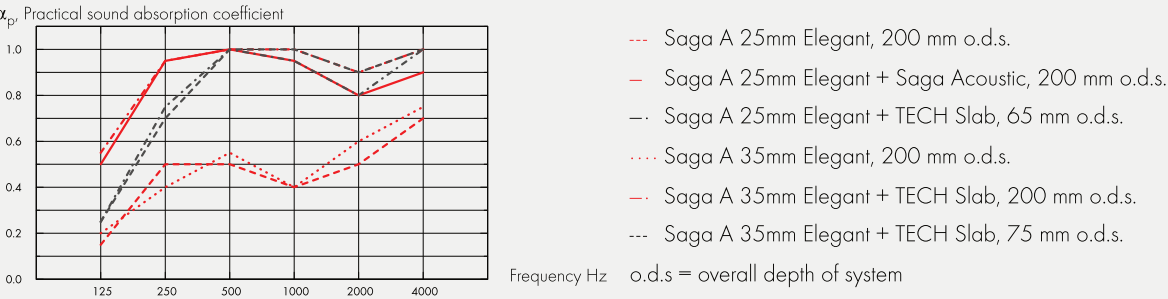


# Ecophon Saga™ A A2

## 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	$\alpha_p$ , Practical sound absorption coefficient						$\alpha_w$	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 25mm	25	200	0.15	0.50	0.50	0.40	0.50	0.70	0.50	D
Elegant 25mm	25	25	0.05	0.10	0.20	0.45	0.75	0.55	0.30	D
Elegant 25mm + Saga Acoustic	65	200	0.50	0.95	1.00	0.95	0.80	0.90	0.90	A
Elegant 25mm + TECH Slab	65	200	0.50	0.90	1.00	1.00	0.80	0.95	0.90	A
Elegant 25mm + TECH Slab	65	65	0.25	0.75	1.00	0.95	0.80	1.00	0.90	A
Elegant 35mm	35	200	0.20	0.40	0.55	0.40	0.60	0.75	0.50	D
Elegant 35mm	35	35	0.10	0.15	0.30	0.55	0.70	0.70	0.35	D
Elegant 35mm + TECH Slab	75	200	0.55	0.95	1.00	1.00	0.90	1.00	1.00	A
Elegant 35mm + TECH Slab	75	75	0.25	0.70	1.00	1.00	0.90	1.00	0.95	A
Discreet 25mm	25	200	0.15	0.45	0.45	0.35	0.45	0.70	0.45	D
Discreet 25mm	25	25	0.05	0.10	0.20	0.50	0.70	0.60	0.30	D
Discreet 25mm + Saga Acoustic	65	200	0.45	0.95	0.95	0.85	0.65	0.85	0.75	C
Discreet 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.65	0.85	0.75	C
Discreet 25mm + TECH Slab	65	65	0.25	0.75	1.00	0.80	0.65	0.85	0.75	C
Discreet 35mm	35	200	0.25	0.50	0.55	0.40	0.60	0.80	0.50	D
Discreet 35mm	35	35	0.10	0.15	0.35	0.75	0.65	0.75	0.40	D
Discreet 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Discreet 35mm + TECH Slab	75	75	0.25	0.80	1.00	0.85	0.85	1.00	0.90	A
Normal 25mm	25	200	0.20	0.50	0.50	0.35	0.45	0.70	0.45	D
Normal 25mm	25	25	0.05	0.10	0.30	0.50	0.65	0.60	0.35	D
Normal 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + Saga Acoustic	65	200	0.35	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 35mm	35	200	0.25	0.55	0.50	0.35	0.65	0.75	0.45	D
Normal 35mm	35	35	0.05	0.15	0.35	0.75	0.60	0.80	0.40	D
Normal 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Normal 50mm	50	50	0.15	0.30	0.85	0.80	0.75	0.90	0.60	C

	THK mm	o.d.s. mm	NRC	SAA
Elegant 25mm	25	200	0.50	0.48
Elegant 25mm	25	25	0.40	0.37
Elegant 25mm + Saga Acoustic	65	200	0.95	0.92

## Indoor Air Quality:

Certificate / Label	Saga	Saga Acoustic	TECH Slab MT 3.1
Eurofins Indoor Air Comfort®	IAC Gold	IAC Gold	-
French VOC	A+	A+	A
Finnish M1	•		•



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

kg CO <sub>2</sub> equiv/m <sup>2</sup>	25 mm	35 mm	50 mm
Saga A2	7,55	10,57	15,10
Saga A2 + Saga Acoustic	11,19	14,21	18,74

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** A2-s1,d0 Europe: EN 13501-1, A2-s1,d0,

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

**Thermal Properties:** Thermal conductivity  $\lambda = 0,1$  W/m·K according to EN 12664.

**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

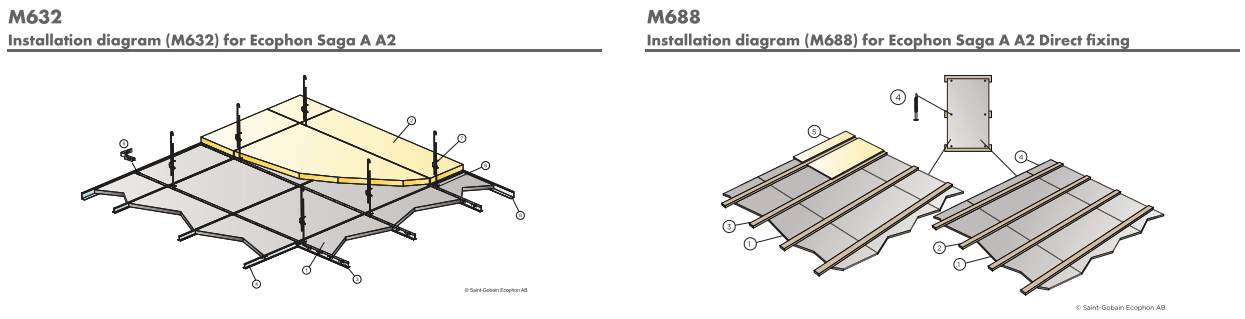
**Accessibility:** The tiles are demountable.

**System weight:** Weight information for panels only, per fiber size and panel thickness. Data is indicative and subject to variation. Elegant: 16.0, 18.0, -, Discreet: 15.5, 17.5, -, Normal: 15.0, 17.0, 20.0,

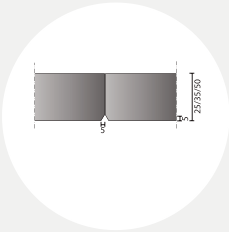
**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). 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](http://www.ecophon.com)**

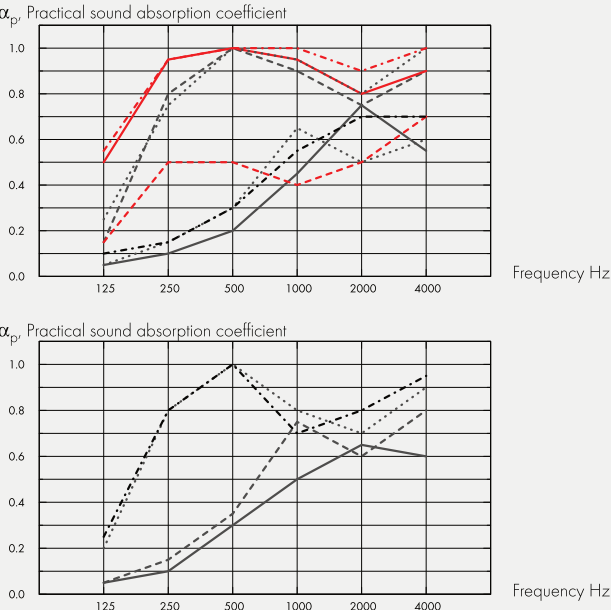
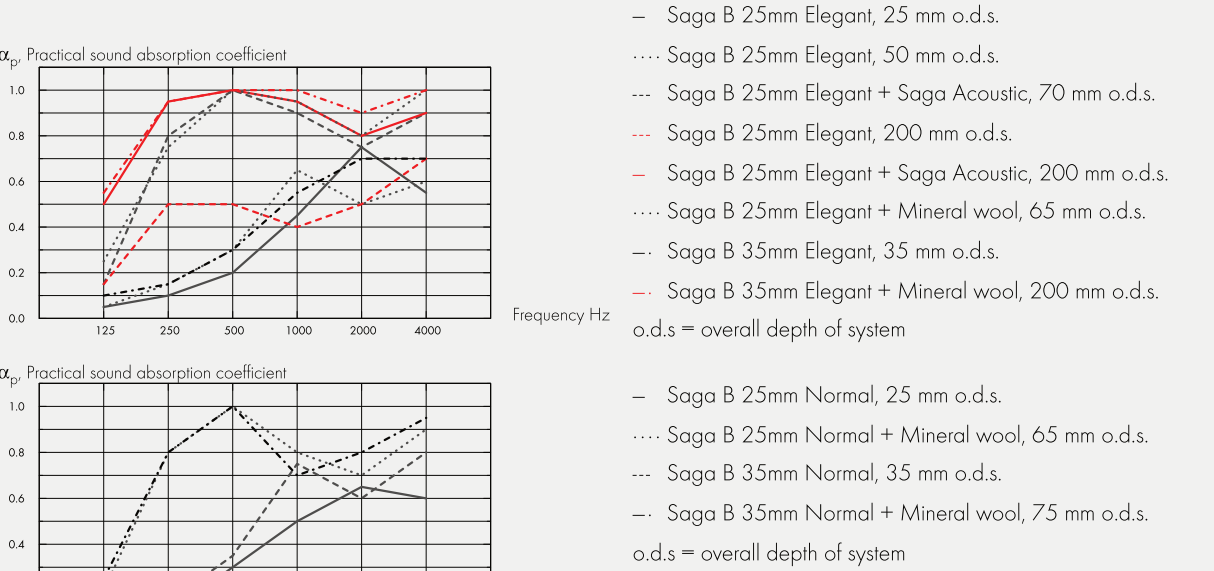


# Ecophon Saga™ B



**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 <sub>p</sub> , Practical sound absorption coefficient						α <sub>w</sub>	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 25mm	25	25	0.05	0.10	0.20	0.45	0.75	0.55	0.30	D
Elegant 25mm	25	50	0.05	0.15	0.30	0.65	0.50	0.60	0.35	D
Elegant 25mm + Saga Acoustic	65	70	0.15	0.80	1.00	0.90	0.75	0.90	0.85	B
Elegant 25mm	25	200	0.15	0.50	0.50	0.40	0.50	0.70	0.50	D
Elegant 25mm + Saga Acoustic	65	200	0.50	0.95	1.00	0.95	0.80	0.90	0.90	A
Elegant 25mm + Mineral wool	65	200	0.50	0.90	1.00	1.00	0.80	0.95	0.90	A
Elegant 25mm + Mineral wool	65	65	0.25	0.75	1.00	0.95	0.80	1.00	0.90	A
Discreet 25mm	25	200	0.15	0.45	0.45	0.35	0.45	0.70	0.45	D
Discreet 25mm	25	25	0.05	0.10	0.20	0.50	0.70	0.60	0.30	D
Discreet 25mm + Mineral wool	65	200	0.40	0.95	0.95	0.80	0.65	0.85	0.75	C
Discreet 25mm + Mineral wool	65	65	0.25	0.75	1.00	0.80	0.65	0.85	0.80	B
Discreet 25mm + Saga Acoustic	65	200	0.45	0.95	0.95	0.85	0.65	0.85	0.75	C
Discreet 25mm + Saga Acoustic	65	70	0.20	0.85	1.00	0.80	0.70	0.85	0.80	B
Normal 25mm	25	200	0.20	0.50	0.50	0.35	0.45	0.70	0.45	D
Normal 25mm	25	25	0.05	0.10	0.30	0.50	0.65	0.60	0.35	D
Normal 25mm + Mineral wool	65	200	0.40	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + Mineral wool	65	65	0.20	0.80	1.00	0.80	0.70	0.90	0.80	B
Normal 25mm + Saga Acoustic	65	200	0.35	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + Saga Acoustic	65	70	0.20	0.80	1.00	0.80	0.65	0.90	0.75	C

	THK mm	o.d.s. mm	NRC	SAA
Elegant 25mm	25	25	0.40	0.37
Elegant 25mm	25	50	0.40	0.41
Elegant 25mm + Saga Acoustic	65	70	0.85	0.89
Elegant 25mm	25	200	0.50	0.48
Elegant 25mm + Saga Acoustic	65	200	0.95	0.92

Indoor Air Quality:

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

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

kg CO <sub>2</sub> equiv/m <sup>2</sup>	25 mm	35 mm	50 mm
Saga (white cement)	6,41	8,97	12,81
Saga (grey cement)	4,80	6,72	9,60
Saga (white cement) + Saga Acoustic	10,05	12,61	16,45
Saga (grey cement) + Saga Acoustic	8,44	10,36	13,24

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** Europe: EN 13501-1, B-s1,d0,

**Thermal Properties:** Thermal conductivity λ = 0,1 W/m·K according to EN 12664.

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

**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

**Accessibility:** The tiles are not demountable.

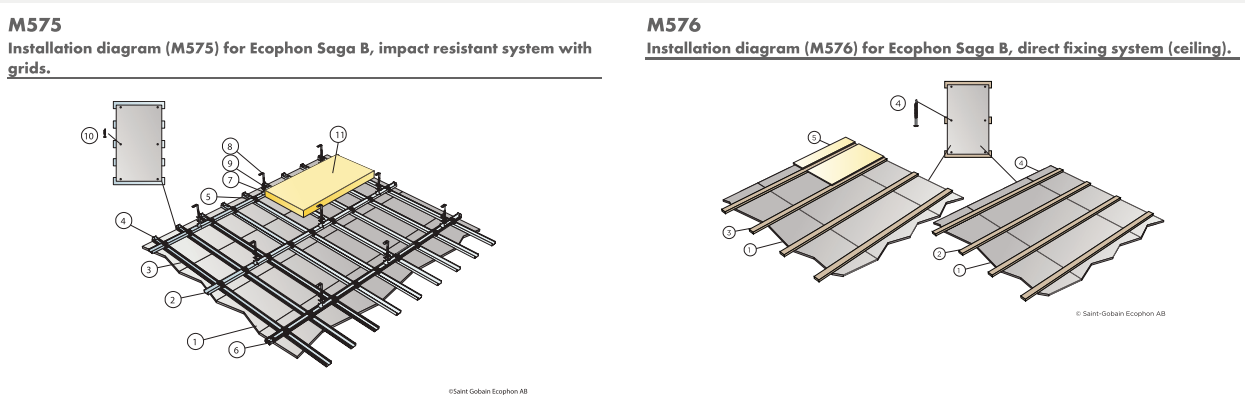
**System weight:** Weight information for panels only, per fiber size and panel thickness. Data is indicative and subject to variation. Elegant: 14.5, 16.5, -, Discreet: 14.0, 16.0, -, Normal: 13.5, 15.5, 19.0,

**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

**Impact Resistance:** Tested and classified according to EN 13964 annex D. 25: M575, 1A,

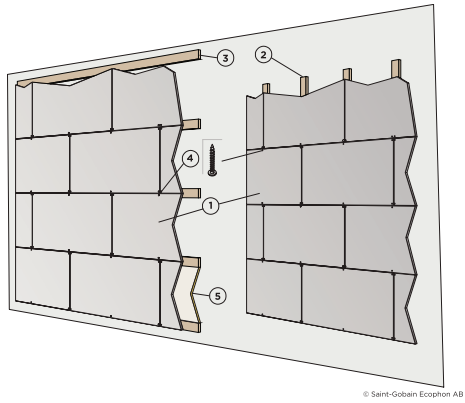
**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European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

Installation diagram in detail [www.ecophon.com](http://www.ecophon.com)





M578  
Installation diagram (M578) for Ecophon Saga B, lathing wall system.



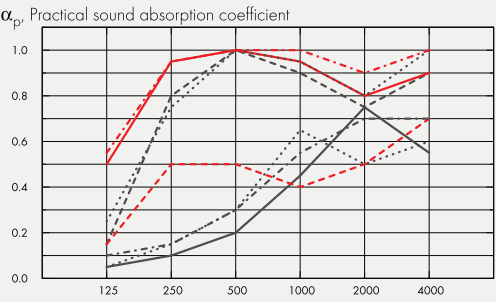
© Saint-Gobain Ecophon AB

# Ecophon Saga™ B A2

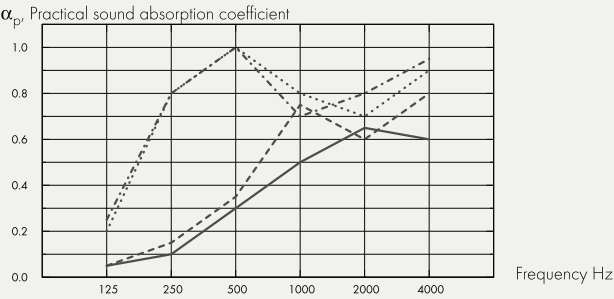
## Acoustics:

### 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.



- Saga B 25mm Elegant, 25 mm o.d.s.
  - .... Saga B 25mm Elegant, 50 mm o.d.s.
  - Saga B 25mm Elegant + Saga Acoustic, 70 mm o.d.s.
  - Saga B 25mm Elegant, 200 mm o.d.s.
  - Saga B 25mm Elegant + Saga Acoustic, 200 mm o.d.s.
  - .... Saga B 25mm Elegant + TECH Slab, 65 mm o.d.s.
  - Saga B 35mm Elegant, 35 mm o.d.s.
  - Saga B 35mm Elegant + TECH Slab, 200 mm o.d.s.
- o.d.s = overall depth of system



- Saga B 25mm Normal, 25 mm o.d.s.
  - .... Saga B 25mm Normal + TECH Slab, 65 mm o.d.s.
  - Saga B 35mm Normal, 35 mm o.d.s.
  - Saga B 35mm Normal + TECH Slab, 75 mm o.d.s.
- o.d.s = overall depth of system



	THK mm	o.d.s. mm	α <sub>p</sub> Practical sound absorption coefficient						α <sub>w</sub>	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 25mm	25	25	0.05	0.10	0.20	0.45	0.75	0.55	0.30	D
Elegant 25mm	25	50	0.05	0.15	0.30	0.65	0.50	0.60	0.35	D
Elegant 25mm + Saga Acoustic	65	70	0.15	0.80	1.00	0.90	0.75	0.90	0.85	B
Elegant 25mm	25	200	0.15	0.50	0.50	0.40	0.50	0.70	0.50	D
Elegant 25mm + Saga Acoustic	65	200	0.50	0.95	1.00	0.95	0.80	0.90	0.90	A
Elegant 25mm + TECH Slab	65	200	0.50	0.90	1.00	1.00	0.80	0.95	0.90	A
Elegant 25mm + TECH Slab	65	65	0.25	0.75	1.00	0.95	0.80	1.00	0.90	A
Elegant 35mm	35	200	0.20	0.40	0.55	0.40	0.60	0.75	0.50	D
Elegant 35mm	35	35	0.10	0.15	0.30	0.55	0.70	0.70	0.35	D
Elegant 35mm + TECH Slab	75	200	0.55	0.95	1.00	1.00	0.90	1.00	1.00	A
Elegant 35mm + TECH Slab	75	75	0.25	0.70	1.00	1.00	0.90	1.00	0.95	A
Discreet 25mm	25	200	0.15	0.45	0.45	0.35	0.45	0.70	0.45	D
Discreet 25mm	25	25	0.05	0.10	0.20	0.50	0.70	0.60	0.30	D
Discreet 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.65	0.85	0.75	C
Discreet 25mm + TECH Slab	65	65	0.25	0.75	1.00	0.80	0.65	0.85	0.80	B
Discreet 25mm + Saga Acoustic	65	200	0.45	0.95	0.95	0.85	0.65	0.85	0.75	C
Discreet 25mm + Saga Acoustic	65	70	0.20	0.85	1.00	0.80	0.70	0.85	0.80	B
Discreet 35mm	35	200	0.25	0.50	0.55	0.40	0.60	0.80	0.50	D
Discreet 35mm	35	35	0.10	0.15	0.35	0.75	0.65	0.75	0.40	D
Discreet 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Discreet 35mm + TECH Slab	75	75	0.25	0.80	1.00	0.85	0.85	1.00	0.90	A
Normal 25mm	25	200	0.20	0.50	0.50	0.35	0.45	0.70	0.45	D
Normal 25mm	25	25	0.05	0.10	0.30	0.50	0.65	0.60	0.35	D
Normal 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + TECH Slab	65	65	0.20	0.80	1.00	0.80	0.70	0.90	0.80	B
Normal 25mm + Saga Acoustic	65	200	0.35	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + Saga Acoustic	65	70	0.20	0.80	1.00	0.80	0.65	0.90	0.75	C
Normal 35mm	35	200	0.25	0.55	0.50	0.35	0.65	0.75	0.45	D
Normal 35mm	35	35	0.05	0.15	0.35	0.75	0.60	0.80	0.40	D
Normal 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Normal 35mm + TECH Slab	75	75	0.25	0.80	1.00	0.70	0.80	0.95	0.80	B
Normal 50mm	50	50	0.15	0.30	0.85	0.80	0.75	0.90	0.60	C

	THK mm	o.d.s. mm	NRC	SAA
Elegant 25mm	25	25	0.40	0.37
Elegant 25mm	25	50	0.40	0.41
Elegant 25mm + Saga Acoustic	65	70	0.85	0.89
Elegant 25mm	25	200	0.50	0.48
Elegant 25mm + Saga Acoustic	65	200	0.95	0.92

Indoor Air Quality:

Certificate / Label	Saga	Saga Acoustic	TECH Slab MT 3.1
Eurofins Indoor Air Comfort®	IAC Gold	IAC Gold	-
French VOC	A+	A+	A
Finnish M1	•		•

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

kg CO <sub>2</sub> equiv/m <sup>2</sup>	25 mm	35 mm	50 mm
Saga A2	7,55	10,57	15,10
Saga A2 + Saga Acoustic	11,19	14,21	18,74

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** A2-s1,d0 Europe: EN 13501-1, A2-s1,d0,

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

**Thermal Properties:** Thermal conductivity λ = 0,1 W/m·K according to EN 12664.

**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

**Accessibility:** The tiles are not demountable.

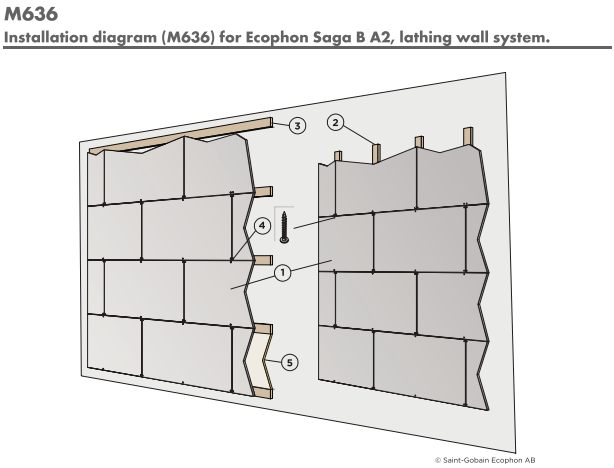
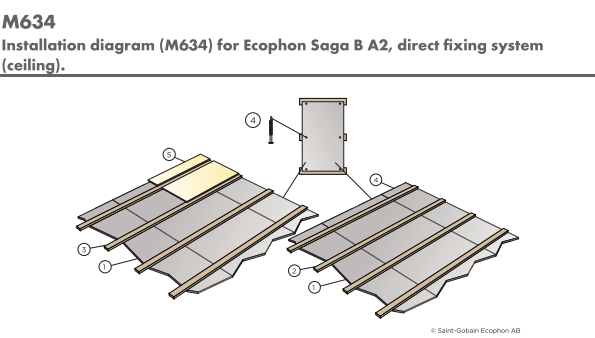
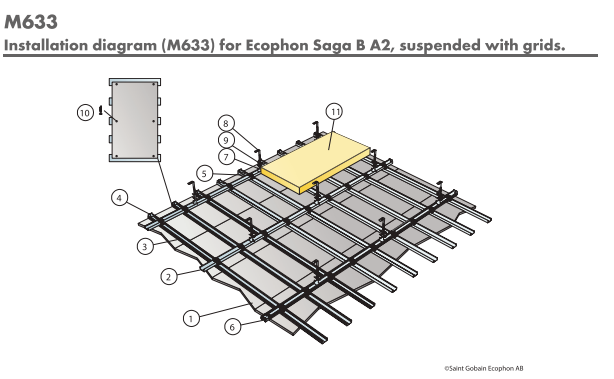
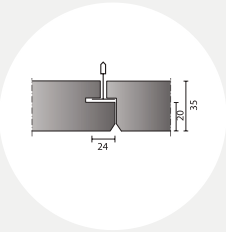
**System weight:** Weight information for panels only, per fiber size and panel thickness. Data is indicative and subject to variation. Elegant: 16.0, 18.0, -, Discreet: 15.5, 17.5, -, Normal: 15.0, 17.0, 20.0,

**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). 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](http://www.ecophon.com)

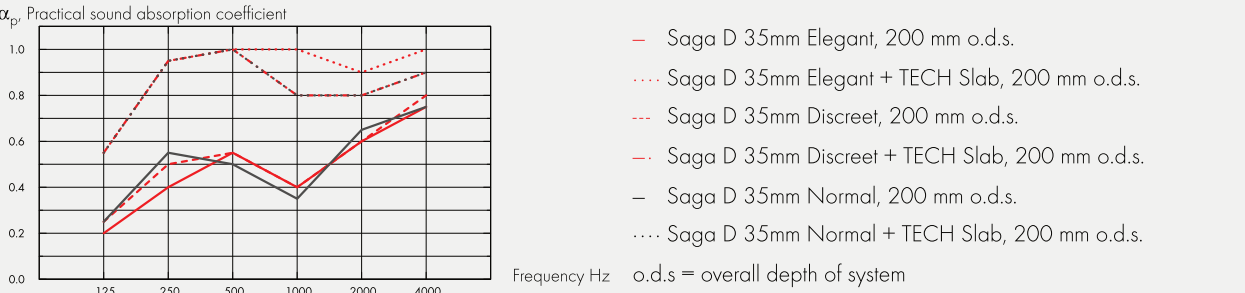




# Ecophon Saga™ D

**Acoustics:**

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



	THK mm	o.d.s. mm	$\alpha_p$ , Practical sound absorption coefficient						$\alpha_w$	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 35mm	35	200	0.20	0.40	0.55	0.40	0.60	0.75	0.50	D
Elegant 35mm + TECH Slab	75	200	0.55	0.95	1.00	1.00	0.90	1.00	1.00	A
Discreet 35mm	35	200	0.25	0.50	0.55	0.40	0.60	0.80	0.50	D
Discreet 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Normal 35mm	35	200	0.25	0.55	0.50	0.35	0.65	0.75	0.45	D
Normal 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B

**Indoor Air Quality:**

Certificate / Label	Saga	Saga Acoustic	TECH Slab MT 3.1
Eurofins Indoor Air Comfort®	IAC Gold	IAC Gold	-
French VOC	A+	A+	A
Finnish M1	•	•	•

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

	kg CO <sub>2</sub> equiv/m <sup>2</sup>
Saga (white cement)	8,97
Saga (grey cement)	6,72
Saga (white cement) + Saga Acoustic	12,61
Saga (grey cement) + Saga Acoustic	10,36

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** Europe: EN 13501-1, B-s1,d0,

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



**Thermal Properties:** Thermal conductivity  $\lambda = 0,1 \text{ W/m}\cdot\text{K}$  according to EN 12664.

**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

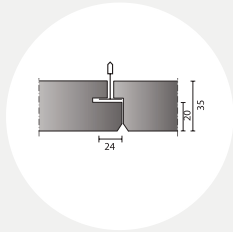
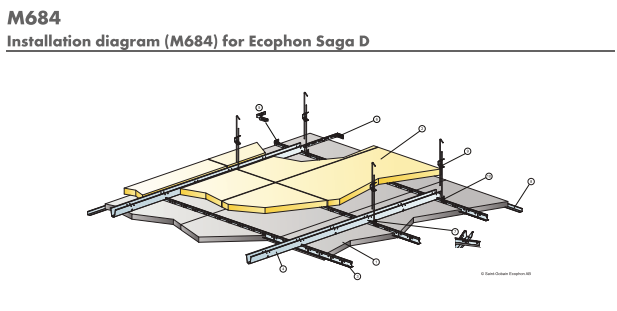
**Accessibility:** The tiles are demountable.

**System weight:** Weight information for panels only, per fiber size. Data is indicative subject to variation. Elegant: 16.5, Discreet: 16.0, Normal: 15.5,

**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). 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.

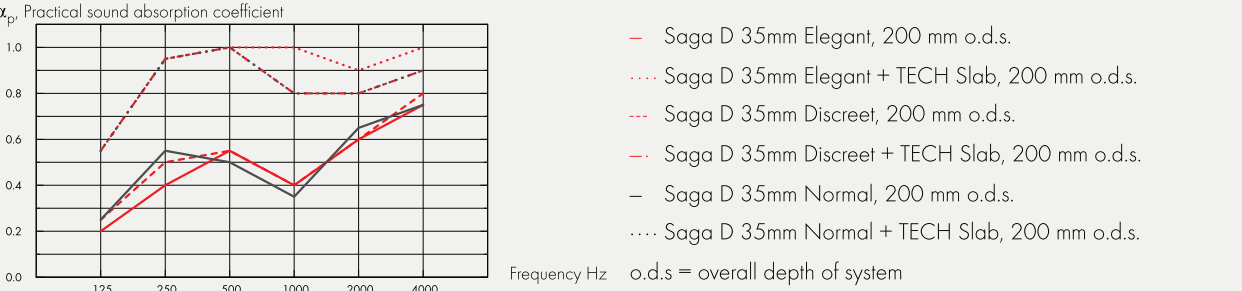
Installation diagram in detail [www.ecophon.com](http://www.ecophon.com)



# Ecophon Saga™ D A2

**Acoustics:**

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



	THK mm	o.d.s. mm	$\alpha_p$ , Practical sound absorption coefficient						$\alpha_w$	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 35mm	35	200	0.20	0.40	0.55	0.40	0.60	0.75	0.50	D
Elegant 35mm + TECH Slab	75	200	0.55	0.95	1.00	1.00	0.90	1.00	1.00	A
Discreet 35mm	35	200	0.25	0.50	0.55	0.40	0.60	0.80	0.50	D
Discreet 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Normal 35mm	35	200	0.25	0.55	0.50	0.35	0.65	0.75	0.45	D
Normal 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B

**Indoor Air Quality:**

Certificate / Label	Saga	Saga Acoustic	TECH Slab MT 3.1
Eurofins Indoor Air Comfort®	IAC Gold	IAC Gold	-
French VOC	A+	A+	A
Finnish M1	•		•

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

	kg CO <sub>2</sub> equiv/m <sup>2</sup>
Saga A2	10,57
Saga A2 + Saga Acoustic	14,21

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** A2-s1,d0 Europe: EN 13501-1, A2-s1,d0,

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

**Thermal Properties:** Thermal conductivity  $\lambda = 0,1 \text{ W/m}\cdot\text{K}$  according to EN 12664.



**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

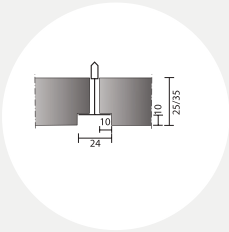
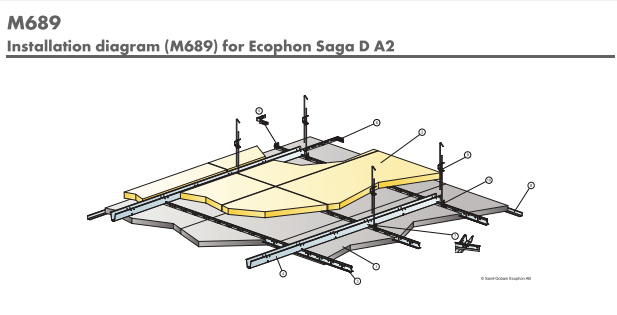
**Accessibility:** The tiles are demountable.

**System weight:** Weight information for panels only, per fiber size. Data is indicative subject to variation. Elegant: 18.0, Discreet: 17.5, Normal: 17.0,

**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). 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.

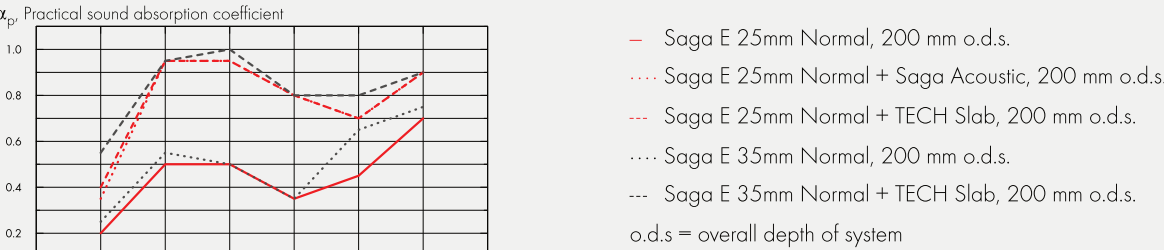
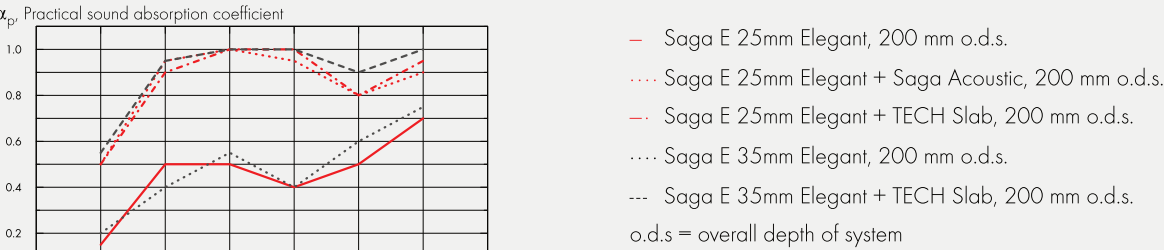
Installation diagram in detail [www.ecophon.com](http://www.ecophon.com)



# Ecophon Saga™ 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 <sub>p</sub> Practical sound absorption coefficient						α <sub>w</sub>	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 25mm	25	200	0.15	0.50	0.50	0.40	0.50	0.70	0.50	D
Elegant 25mm + Saga Acoustic	65	200	0.50	0.95	1.00	0.95	0.80	0.90	0.90	A
Elegant 25mm + TECH Slab	65	200	0.50	0.90	1.00	1.00	0.80	0.95	0.90	A
Elegant 35mm	35	200	0.20	0.40	0.55	0.40	0.60	0.75	0.50	D
Elegant 35mm + TECH Slab	75	200	0.55	0.95	1.00	1.00	0.90	1.00	1.00	A
Discreet 25mm	25	200	0.15	0.45	0.45	0.35	0.45	0.70	0.45	D
Discreet 25mm + Saga Acoustic	65	200	0.45	0.95	0.95	0.85	0.65	0.85	0.75	C
Discreet 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.65	0.85	0.75	C
Discreet 35mm	35	200	0.25	0.50	0.55	0.40	0.60	0.80	0.50	D
Discreet 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Normal 25mm	25	200	0.20	0.50	0.50	0.35	0.45	0.70	0.45	D
Normal 25mm + Saga Acoustic	65	200	0.35	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 35mm	35	200	0.25	0.55	0.50	0.35	0.65	0.75	0.45	D
Normal 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B

	THK mm	o.d.s. mm	NRC	SAA
Elegant 25mm	25	200	0.50	0.48
Elegant 25mm + Saga Acoustic	65	200	0.95	0.92

Indoor Air Quality:

Certificate / Label	Saga	Saga Acoustic	TECH Slab MT 3.1
Eurofins Indoor Air Comfort®	IAC Gold	IAC Gold	-
French VOC	A+	A+	A
Finnish M1	•		•

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

kg CO <sub>2</sub> equiv/m <sup>2</sup>	25 mm	35 mm
Saga (white cement)	6,41	8,97
Saga (grey cement)	4,80	6,72
Saga (white cement) + Saga Acoustic	10,05	12,61
Saga (grey cement) + Saga Acoustic	8,44	10,36

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** Europe: EN 13501-1, B-s1,d0,

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

**Thermal Properties:** Thermal conductivity λ = 0,1 W/m·K according to EN 12664.

**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

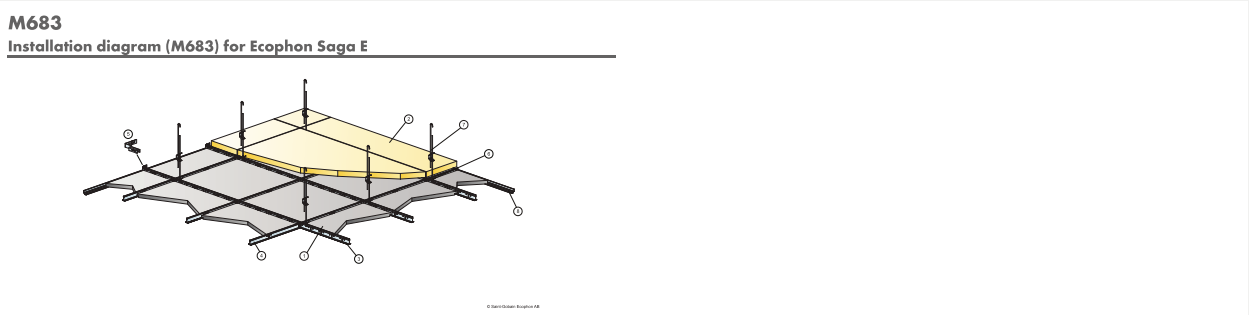
**Accessibility:** The tiles are demountable.

**System weight:** Weight information for panels only, per fiber size and panel thickness. Data is indicative and subject to variation. Elegant: 14.5, 16.5, Discreet: 14.0, 16.0, Normal: 13.5, 15.5,

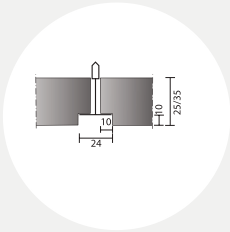
**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). 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](http://www.ecophon.com)







# Ecophon Saga™ E A2

## 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	$\alpha_p$ , Practical sound absorption coefficient						$\alpha_w$	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Elegant 25mm	25	200	0.15	0.50	0.50	0.40	0.50	0.70	0.50	D
Elegant 25mm + Saga Acoustic	65	200	0.50	0.95	1.00	0.95	0.80	0.90	0.90	A
Elegant 25mm + TECH Slab	65	200	0.50	0.90	1.00	1.00	0.80	0.95	0.90	A
Elegant 35mm	35	200	0.20	0.40	0.55	0.40	0.60	0.75	0.50	D
Elegant 35mm + TECH Slab	75	200	0.55	0.95	1.00	1.00	0.90	1.00	1.00	A
Discreet 25mm	25	200	0.15	0.45	0.45	0.35	0.45	0.70	0.45	D
Discreet 25mm + Saga Acoustic	65	200	0.45	0.95	0.95	0.85	0.65	0.85	0.75	C
Discreet 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.65	0.85	0.75	C
Discreet 35mm	35	200	0.25	0.50	0.55	0.40	0.60	0.80	0.50	D
Discreet 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B
Normal 25mm	25	200	0.20	0.50	0.50	0.35	0.45	0.70	0.45	D
Normal 25mm + Saga Acoustic	65	200	0.35	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 25mm + TECH Slab	65	200	0.40	0.95	0.95	0.80	0.70	0.90	0.80	B
Normal 35mm	35	200	0.25	0.55	0.50	0.35	0.65	0.75	0.45	D
Normal 35mm + TECH Slab	75	200	0.55	0.95	1.00	0.80	0.80	0.90	0.85	B

	THK mm	o.d.s. mm	NRC	SAA
Elegant 25mm	25	200	0.50	0.48
Elegant 25mm + Saga Acoustic	65	200	0.95	0.92

## Indoor Air Quality:

Certificate / Label	Saga	Saga Acoustic	TECH Slab MT 3.1
Eurofins Indoor Air Comfort®	IAC Gold	IAC Gold	-
French VOC	A+	A+	A
Finnish M1	•		•

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

kg CO <sub>2</sub> equiv/m <sup>2</sup>	25 mm	35 mm
Saga A2	7,55	10,57
Saga A2 + Saga Acoustic	11,19	14,21

**Circularity:** Products are made with FSC certified wood.

**Fire safety:** A2-s1,d0 Europe: EN 13501-1, A2-s1,d0,

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

**Thermal Properties:** Thermal conductivity  $\lambda = 0,1$  W/m·K according to EN 12664.



**Visual appearance:** The visible surface with shredded wood gives a natural aesthetic available in three different textures. Light reflectance and nearest NCS colour sample for all the different colours can be found at Ecophon Colours and surfaces. Choosing the perfect colour for your wood wool panels is an important step. Our unpainted Ecophon Saga™ panels feature the natural variations found in real wood, which are part of its character and make it distinctive. Keep in mind that wood is a living material, so ensure that aesthetic meet your needs. Our Saga range also offers a wide selection of painted colours in any custom NCS or RAL colour code as well as a wide range of standard colours.

**Cleanability:** Weekly dusting and vacuum cleaning.

**Mould and Bacterial Resistance:** ISO 846 A: 0, ISO 846 C: 0,

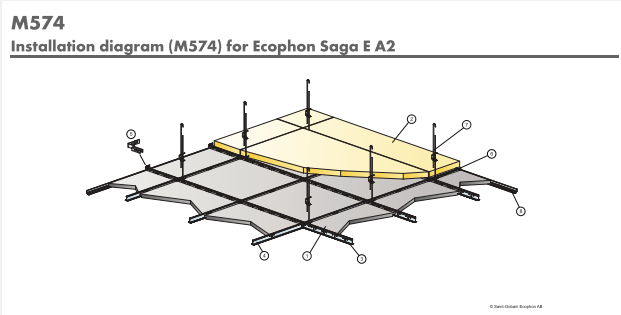
**Accessibility:** The tiles are demountable.

**System weight:** Weight information for panels only, per fiber size and panel thickness. Data is indicative and subject to variation. Elegant: 16.0, 18.0, Discreet: 15.5, 17.5, Normal: 15.0, 17.0,

**Mechanical properties:** See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.

**CE:** Ecophon Saga products are CE-marked according to the European harmonized standard EN13964:2014 (suspended ceilings). 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](http://www.ecophon.com)**







Ecophon is the leading supplier of indoor acoustic solutions that improve working performance and quality of life. We believe in the difference sound can make to our everyday lives, and are passionate advocates for the importance of room acoustics to people's wellbeing – whatever the space, activity or need.

Having a sound effect on people is the principle that guides all we do. We're proud of the Swedish heritage and human approach that promise is founded on. And, as members of the Saint-Gobain Group, to be doing our part in making the world a better home.

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