



ECOPHON

SOMBRA™

Elementary function painted black

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.

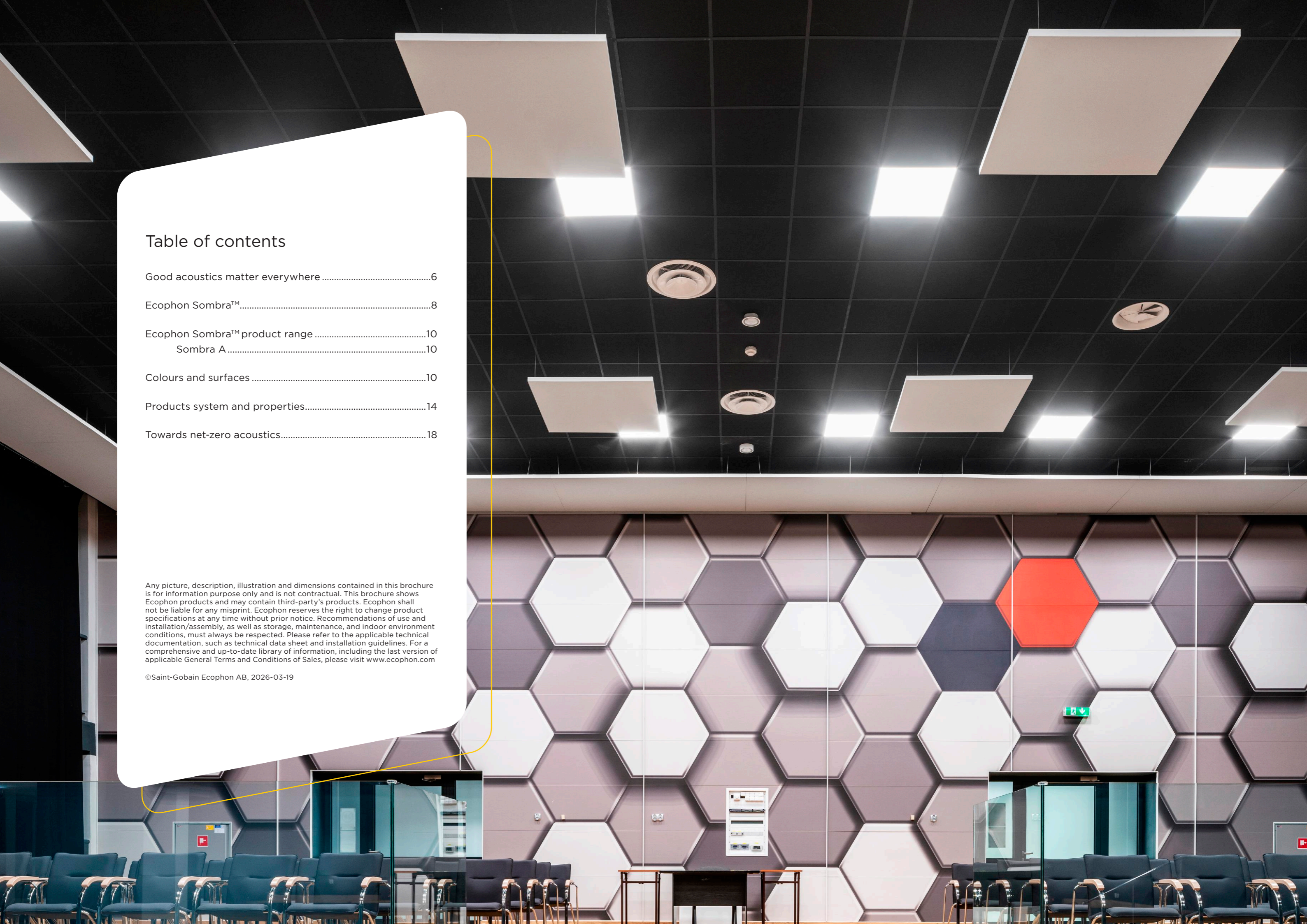


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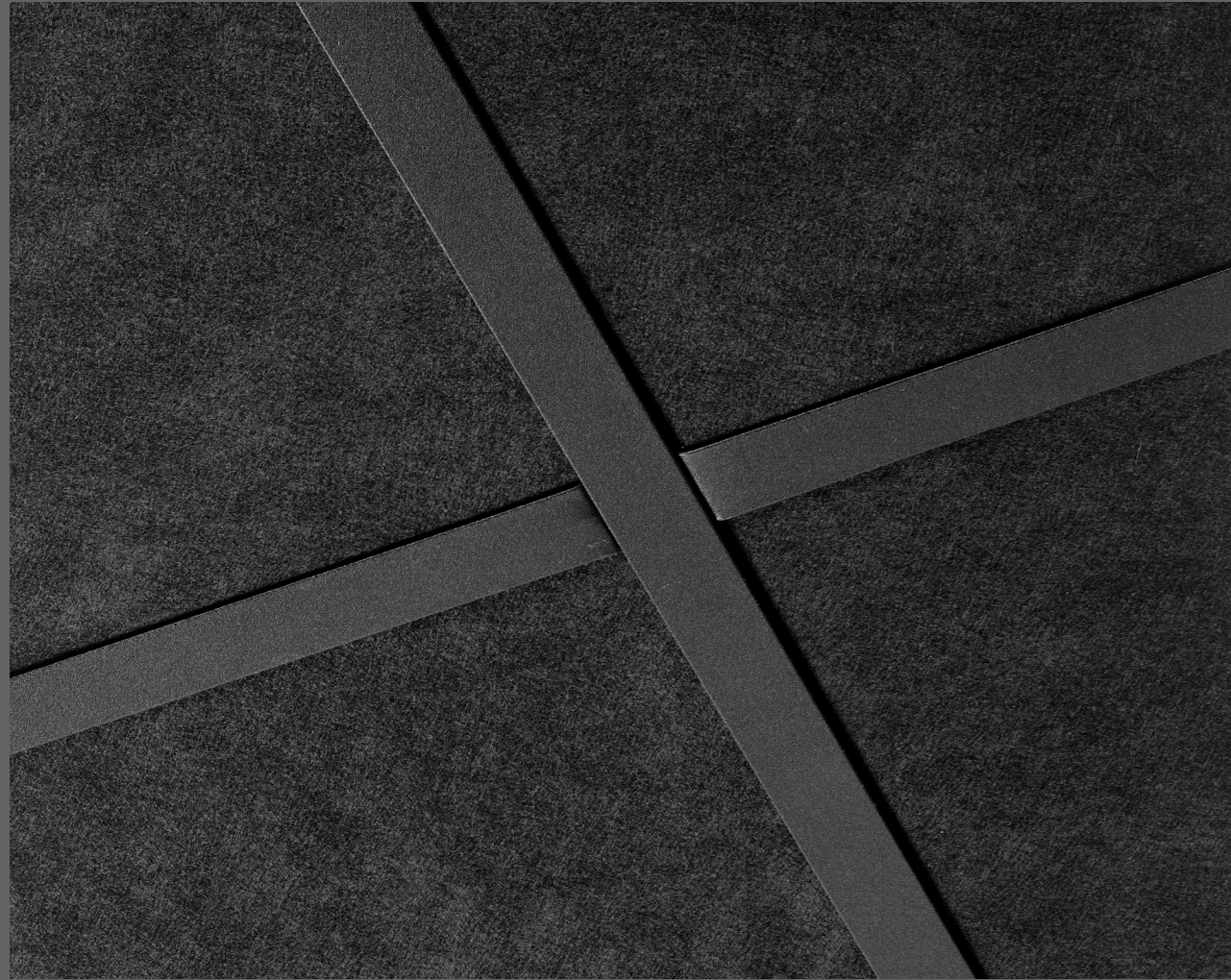
Good acoustics matter everywhere

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 are 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.



ECOPHON **SOMBRA™**

Elementary function painted black

When entering a space, the visual impact is undeniable. Whether you're aiming for an elegant, modern, or dramatic atmosphere, a black ceiling can create a contrast with other colours and accentuates architectural features.

Ecophon Sombra™ is a well-proven black suspended wall-to-wall ceiling solution. The system provides absorption class A and creates the right sound environment for social venues such as cinemas, showrooms, bars and night clubs.

- Absorption class A
- A matte black ceiling
- Simple to install, with easy and direct access to the plenum



Minimum
55%
post-consumer recycled content

Product range

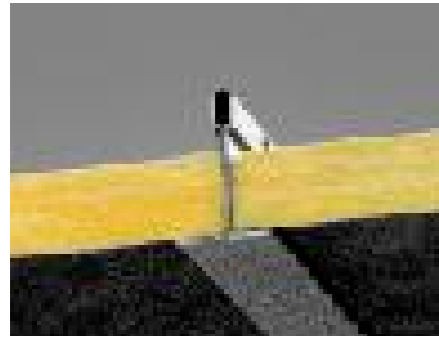
ECOPHON SOMBRA™

Ecophon Sombra™ is a suspended wall-to-wall ceiling system designed for spaces that demand a black ceiling with strong acoustic performance and minimal light reflectance.

Ecophon Sombra™ tiles are installed in an exposed black grid system, featuring natural unpainted edges and a glass veil on the back of each tile.

Simple to install and easy to demount, the system also offers convenient access to the plenum whenever needed.

ECOPHON SOMBRA™ A

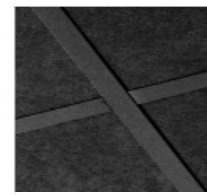


Measurements	Installation Method
600x600x15	Suspended ceiling
1200x600x15	Suspended ceiling

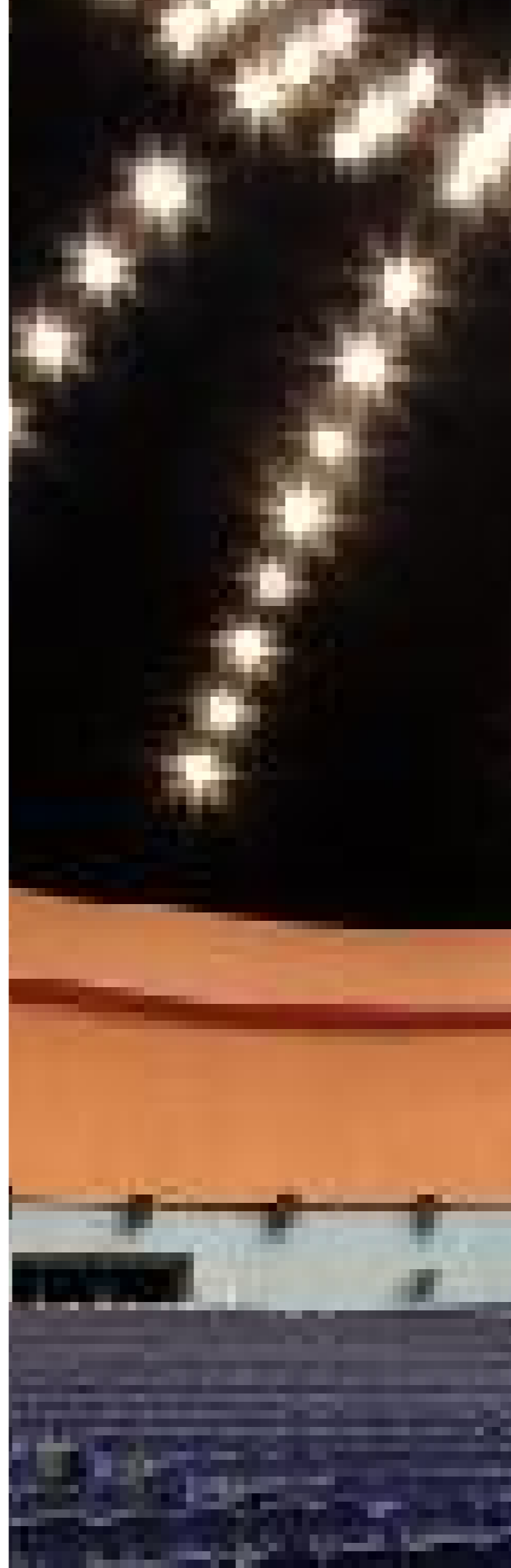
Colour and surface

The Ecophon Sombra™ surface features a non-woven, matte black, batch-painted glass tissue finish, with a glass tissue backing on each tile.

The matte finish ensures minimal light reflectance, creating a visually deep and consistent black surface across the entire ceiling.



Black 997
Nearest NCS colour
sample S 9000-N.
Light reflectance
3-4%.

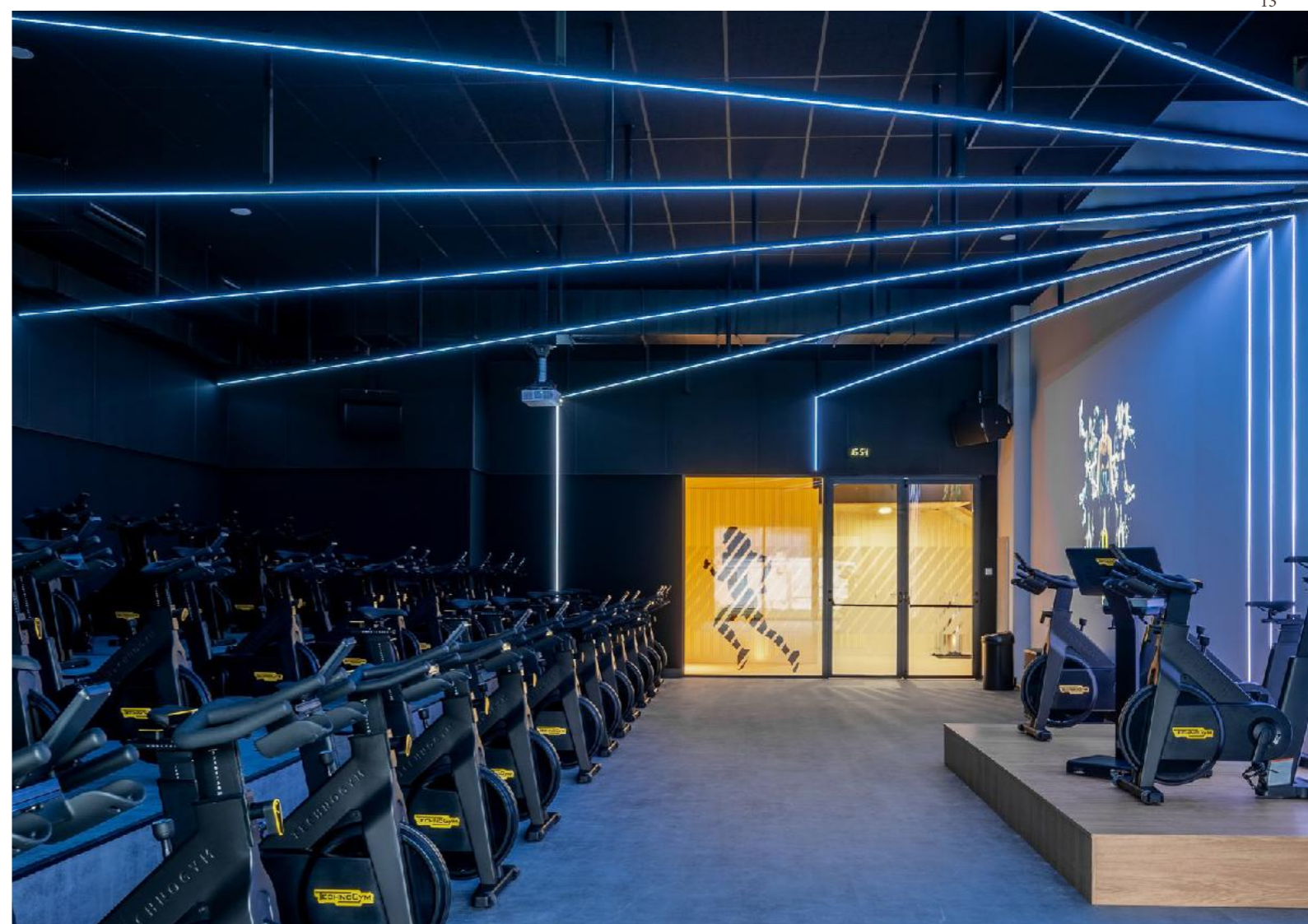
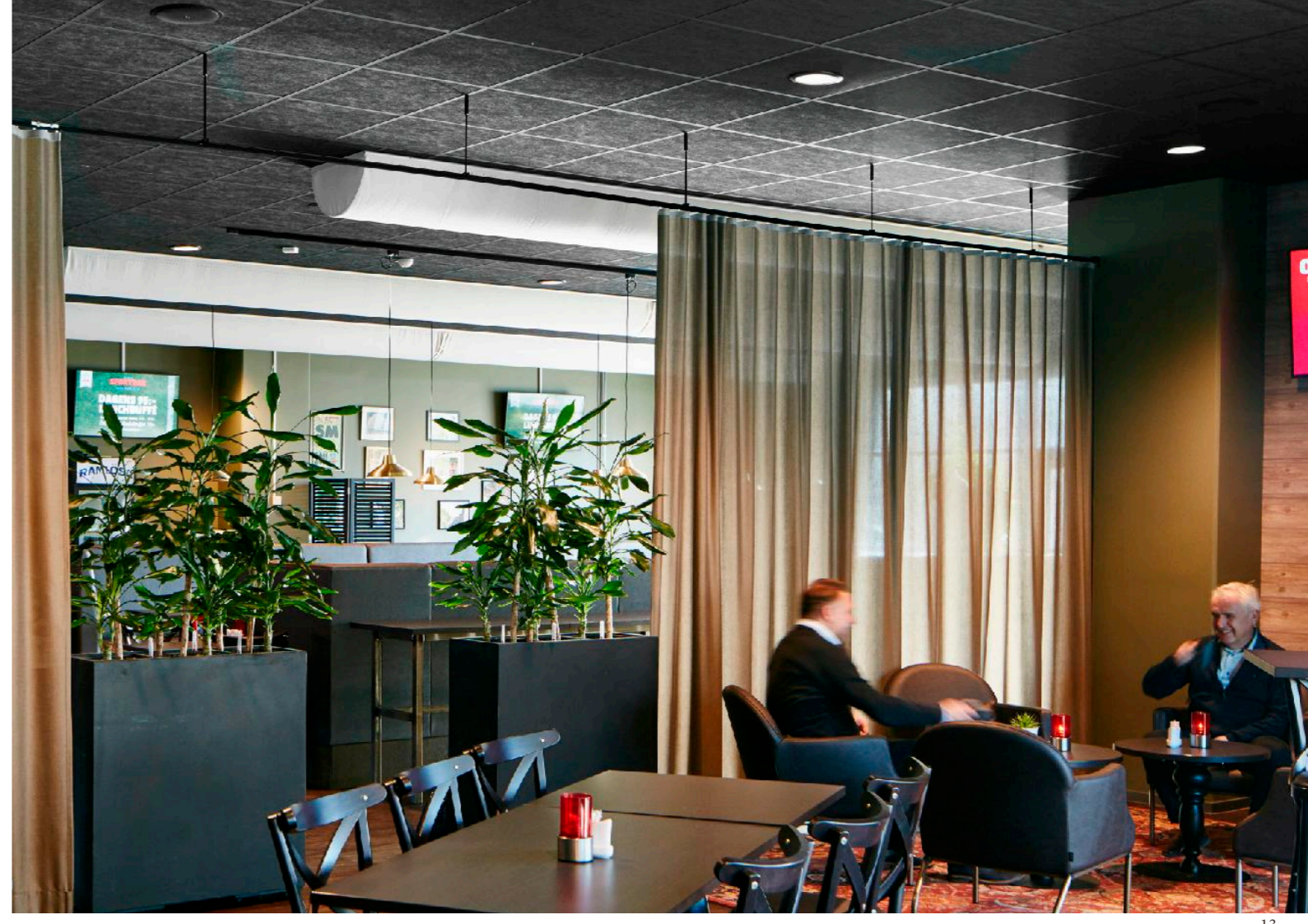


Ecophon Sombra panels contribute to a healthy indoor environment with superior acoustic absorption, low VOC emissions in line with the strictest requirements, and a full chemical transparency with verified Health Product Declarations. The low environmental footprint of our Sombra panels is third-party verified in Environmental Product Declarations.

The products do not contribute to fire and the glass wool core of the Sombra tiles is tested and classified as non-combustible according to EN ISO 1182. Fire classification according to EN 13501-1, see Technical Properties.

Note

More product and system information such as installation help and sustainability documentation can be found at www.ecophon.com



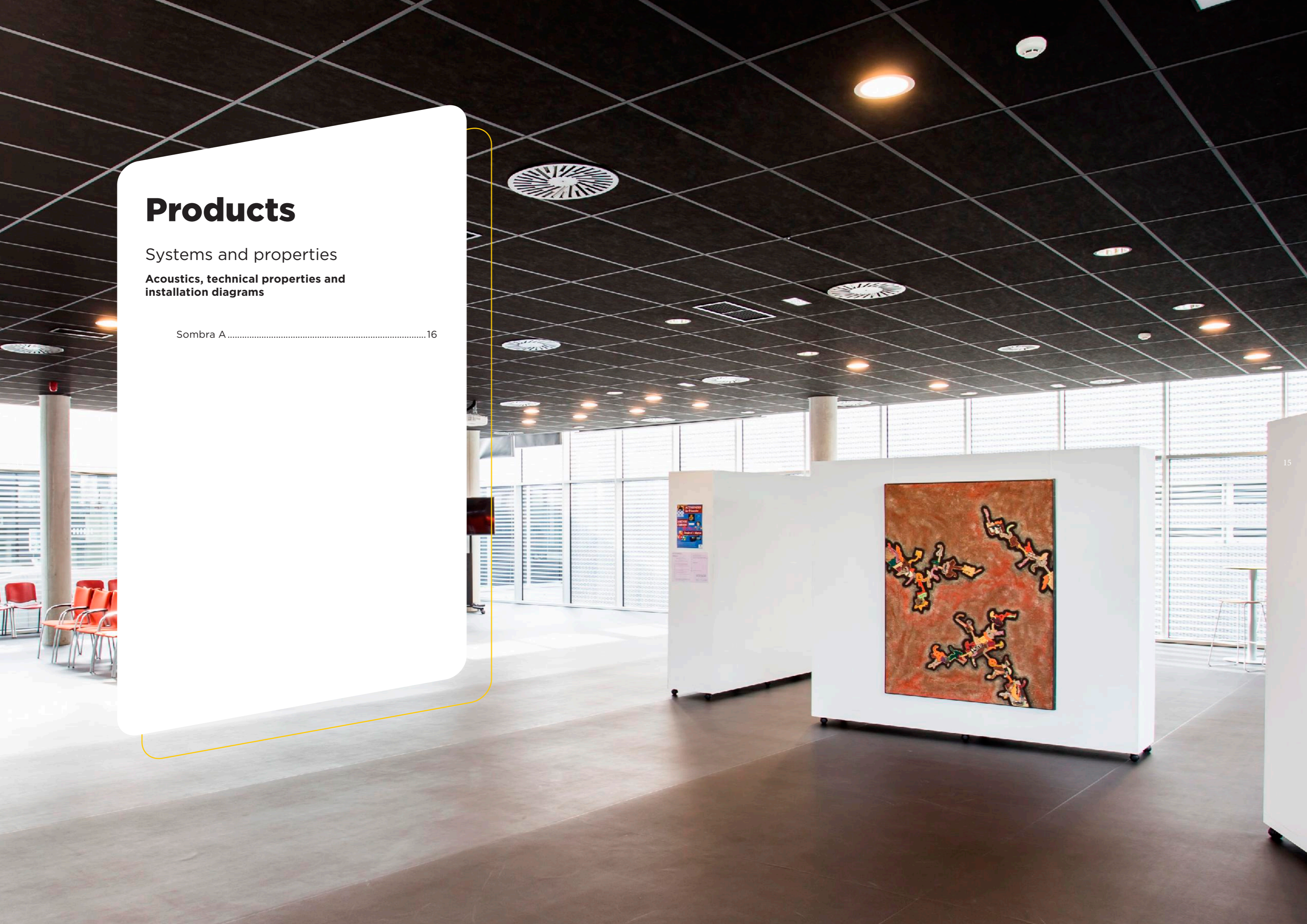
ECOPHON SOMBRA™ A
Exposed grid system with each tile individually demountable.

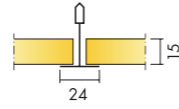
Products

Systems and properties

Acoustics, technical properties and
installation diagrams

Sombra A16



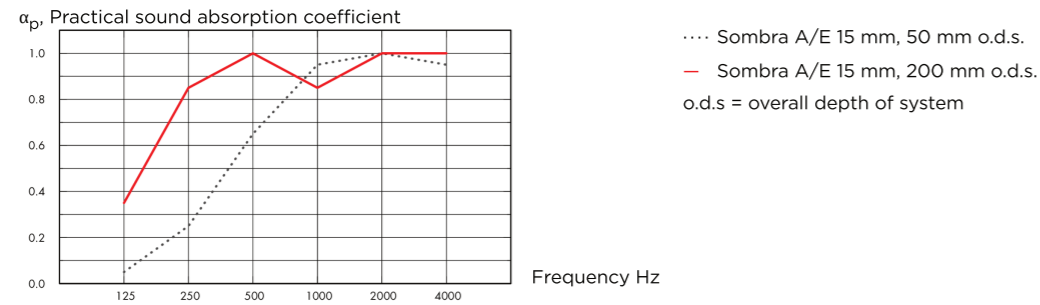


Ecophon Sombra™ A

ACOUSTICS:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value rating for Noise Reduction Coefficient, NRC, 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		
15	50	0.05	0.25	0.65	0.95	1.00	0.95	0.55	D
15	200	0.35	0.85	1.00	0.85	1.00	1.00	0.95	A

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
Sombra A	2,14

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: Black 997, nearest NCS colour sample S 9000-N, 3-4% light reflectance.

CLEANABILITY: Weekly dusting and vacuum cleaning.

ACCESSIBILITY: The tiles are easily demountable. Minimum demounting depth according to installation diagrams.

INSTALLATION: Installed according to installation diagrams, installation guides and drawing aid. (The tiles have to be installed according to the arrows on the back of the tile.)

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

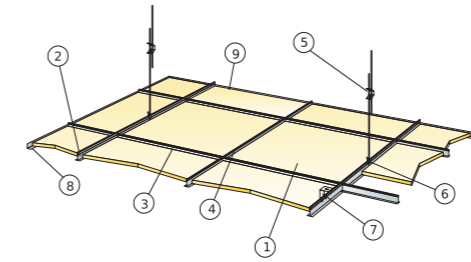
MECHANICAL PROPERTIES: See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.

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

M74

Installation diagram (M74) for Ecophon Sombra A



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Sustainability

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 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. Our uncompromising commitment to transparent sustainable practice. And, as members of the Saint-Gobain Group, to be doing our part in making the world a better home.



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