

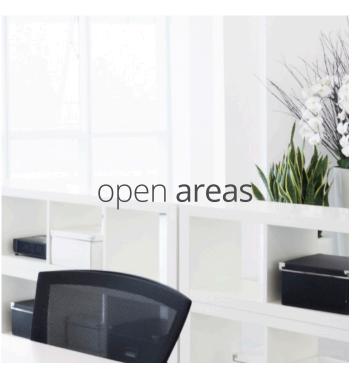


Acoustic problems



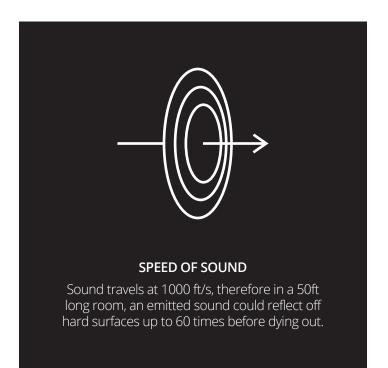


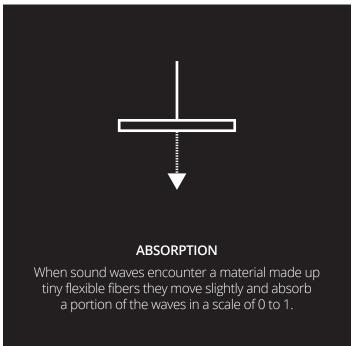


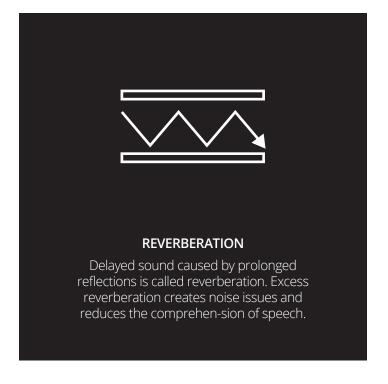


Current interior space trends can lead to increased noise problems. Unfinished ceilings & walls, harder surfaces such as concrete & glass, open office areas, mobile work spaces and impromptu meeting spaces are some of the contributing trends leading to excessive noise in our everyday life.

Acoustic concepts











The quality of the sound environment

Several factors define the acoustical requirements of a space in addition to recommended acoustic values and calculations which are related to the type of activities and the requirements of the activities and people present.

SOUND PATH FACTORS

Room materials

Distance

Sound barriers

Reverberation

Sound absorption

Background noises

Room shape & volume

RECEIVER INFLUENCES

Task requirements

Sound familiarity

Level of concentration

Hearing ability

Auditory volume received

Clarity of sounds

EMITTER FACTORS

Auditory strength

Volume variation

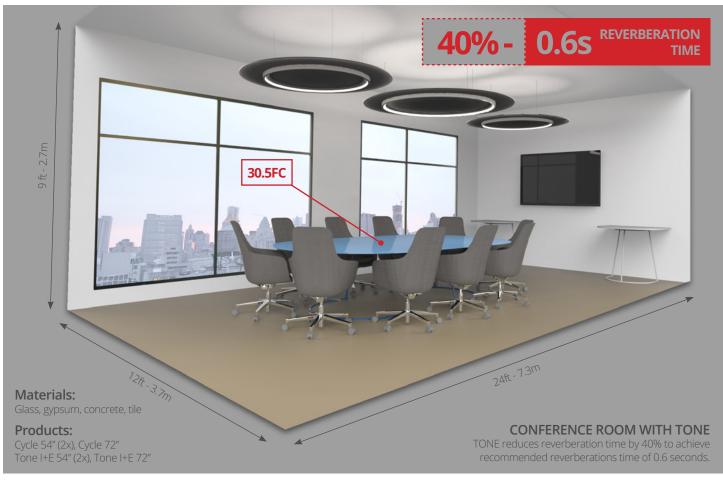
Voice pitch & tone

Orientation

Occurence frequency

Duration





Our acoustical offering

We have developed several luminaires with sound absorbing properties. Each one incorporates an acoustical material in a different way and with different luminaire formats to provide a variety of inspiring solutions for our clients.

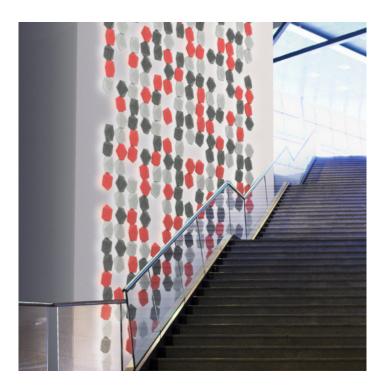


OSLO 3038 - 4238

Warm and delicate, this large surface sconce features front and back light giving a nicely toned atmosphere to interior spaces. Made out of formed recycled acoustical PET felt, the shape evokes the effect of rippling water.

KEY FEATURES:

- · An elegant lighting effect which benefits room acoustics
- The acoustical absorption of the wall mounted Oslo complements suspended acoustical luminaires.
- Available in 3 colors: Red, charcoal and silver grey and features a white or anthracite front plate.
- Designed with front as well as rear illumination, the Oslo features a 24W LED light source and standard 0-10V dimming.
- Tested noise reduction coefficient for material of 0.75 NRC
- · Composed of polyester (PET) fibers with 42% recycled content
- 100% recyclable, low VOC & fire rated material
- · Non-toxic, non-allergenic & non-irritable
- \bullet Dual-sided surface which is lightweight, durable, rigid & stable



NODE 3446

Compose an original pattern of light with these warmly diffused and soft to the touch hexagonal shapes. Create your personal motif using one or several sets of up to 12 Nodes at varying angles to add a large unique ambient lighting pattern and inspiration to your space.

KEY FEATURES:

- · Allows the creation of a personalized pattern of lighting and acoustic panels
- · An elegant solution for improved acoustics and ambient lighting
- · Available in 2 sizes & 3 colors: Red, charcoal and silver grey
- Tested noise reduction coefficient for material of 0.75 NRC
- · Composed of polyester (PET) fibers with 42% recycled content
- · 100% recyclable, low VOC & fire rated material
- $\cdot \ \mathsf{Non\text{-}toxic}, \ \mathsf{non\text{-}allergenic} \ \& \ \mathsf{non\text{-}irritable}$
- · Lightweight, durable, rigid & stable
- · Dual-sided absorption surfaces



MATRIX 3525

An impressive example of modularity and flexibility, this sound absorbing mural system allows the creation of a colorful mosaic, punctuated with OLED light sources. The luminous modules are movable and can playfully be rearranged on the spot with the use of its simple and intuitive magnetic connection.

KEY FEATURES:

- A multi-featured product with high-tech lighting, playful modularity and acoustical absorption
- Covered with thick acoustical polyester felt panels offered in cold and warm color group options
- Offers a large visual impact in a room, with a flexible panel arrangement for a variety of pattern effects on a wall
- Tested noise reduction coefficient for material of 0.75 NRC
- Face panel of polyester (PET) fibers made with recycled content
- 100% recyclable, low VOC & fire rated material
- · Non-toxic, non-allergenic & non-irritable
- Lightweight, durable, rigid & stable



MUTE 4258

This soft and colorful large format pendant is composed of twelve felt-like acoustic panels to illuminate and decorate your space with the added benefeit of sound absorption.

KEY FEATURES:

- · Composed of 12 easy to install sound absorbing panels
- · Available in 3 colors: Charcoal, Beige or Red
- · Custom 24W LED module 3000K or 4000K color temperature
- Frosted acrylic lens for superior light transmission
- Tested noise reduction coefficient for material of 0.75 NRC
- · Composed of polyester (PET) fibers with 42% recycled content
- · Panels are 100% recyclable
- · Low VOC & fire rated material
- · Non-toxic, non-allergenic & non-irritable
- · Lightweight, durable, rigid & stable
- Dual-sided absorption surfaces



TONE 2990

Enhance the acoustics of your space easily by adding the Tone accessory on our Cycle luminaires (sold separately) to reduce ambient noise and absorb background chatters.

KEY FEATURES:

- · A simple solution to improve room acoustics
- · Installs quickly without tools
- · Minimal visual impact on room
- Tested noise reduction coefficient for material of 0.75 NRC.
- · Composed of polyester (PET) fibers with 42% recycled content
- 100% recyclable
- · Low VOC & fire rated material
- · Non-toxic, non-allergenic & non-irritable
- · Lightweight, durable, rigid & stable
- Dual-sided absorption surfaces

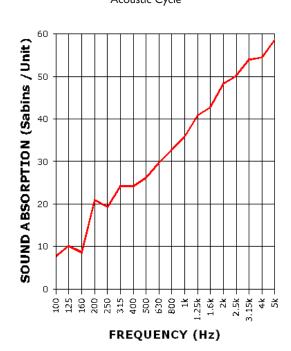
Acoustical testing lab results

CERTIFIED LAB TESTING SHOWS THE PERFORMANCE OF OUR ACOUSTICAL PRODUCTS

The ASTM C423-09a Tests for sound absorption were performed by the world renowned Riverbank Acoustical Laboratories. The tests measured the amount of sound absorption and the absorption coefficients at frequencies spanning from 100 to 5000Hz. The results can be used to calculate the acoustical impact for specific room sizes and characteristics.

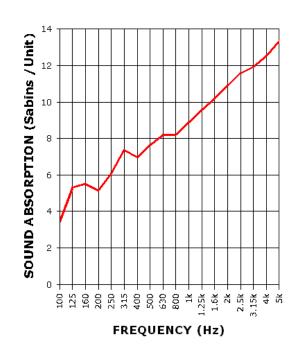
See more information in the product brochures.

SOUND ABSORPTION REPORT Acoustic Cycle



SOUND ABSORPTION REPORT

30" Thick Mute



Acoustical lab results

Test: ASTM C423-09a: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method. Full lab report available on request.

Test lab: Riverbank Acoustical Laboratories: NVLAP, ISO 17025:2005. Test number RAL-A15-347

Absorption Coefficient Frequency : Hz Apparent NRC

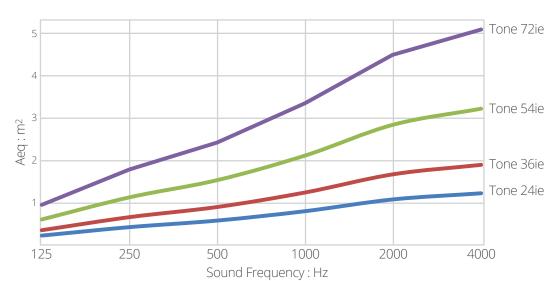
.21	.39	.53	.73	.98	1.11	1.23
125	250	500	1000	2000	4000	8000
0.65						
0.67						



Apparent SAA

TONE INTERIOR + EXTERIOR

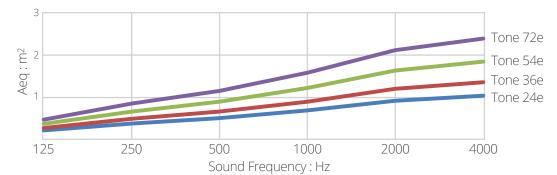
Aeq : Equivalent sound absorption Area in m^2





TONE EXTERIOR

Aeq: Equivalent sound absorption Area in m²





TONE INTERIOR

Aeq: Equivalent sound absorption Area in m2

