

BATYLINE

Aw & Aw LUX

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Aw & Aw LUX

MAIN FEATURES

- Improves acoustic comfort
- Flexible, thin and lightweight
- Durable and robust
- Allows infinite creativity
- Conserves air quality
- 100% recyclable through Taxyloop®

APPLICATIONS

- For all types of building in new construction and renovation:
- Offices & retail
 - Sports & leisure
 - Health care & education
 - Hotels & restaurants
 - Industry, etc.



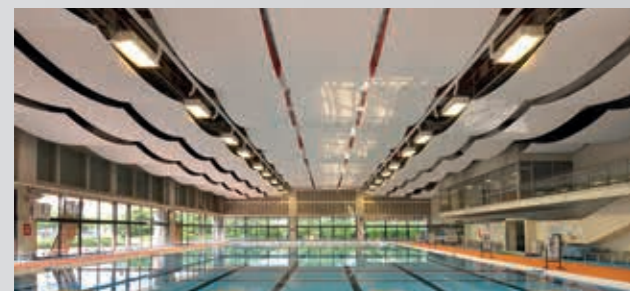
Adapted to bring comfort to public buildings



Structural and aesthetic durability: a high return on investment



Lightness and shape control



For eco-designed, healthy structures

Acoustic efficiency, optimum well-being

Batyline Aw offers unique acoustic absorption performance for such a thin, lightweight material:

- reduces reverberation effect up to four-fold,
- contributes to a comfortable environment, improves hearing and reduces stress,
- Batyline Aw Lux translucent version combines acoustic comfort and natural light.

Reliable and durable, no maintenance required

- Resistance to deformation, tearing, impacts and abrasion: > 4 t/ml,
- Ability to withstand moist and chlorine environments,
- Suitable for structures in seismic areas
- Clean and rapid installation, damage-free removal,
- Easy upkeep: does not attract dust and is easy to clean.

To materialise every design

- Small elements or large unsupported spans; simple or complex shapes,
- Custom design: matt textured aspect, 8 colours including a translucent version,
- Digitally printed customization.

Health & Environment

- Air quality conserved: Greenguard Gold and A+ Certification,
- No fibre or particle emission to the atmosphere,
- 100% recyclable at end of life through Taxyloop®,
- Low environmental impact: Life Cycle Assessments and Safety Datasheets available on request.



| Technical properties | Batyline Aw | Standards | |
|--|--|--------------------|----------------------|
| Weight | 600 g/m ² | EN ISO 2286-2 | |
| Width | 270 cm (Kilimandjaro 6642 in 270 cm & 135 cm) | | |
| Physical properties | | | |
| Tensile strength (warp/weft) | 250/220 daN/ 5 cm | EN ISO 1421 | |
| Tear strength (warp/weft) | 25/25 daN | DIN 53.363 | |
| Micro organism resistance | Degree 0, excellent | ISO 846 Method A | |
| Extreme working temperatures | -30°C / +70°C | in static position | |
| Flame retardancy | | | |
| Rating | B1/DIN 4102-1 • BS 7837 • CLASS A/ASTM E84 • AS-NZS 3837 • AS-NZS 1530.2 & 3 • IMO A653 | | |
| Euroclass | B-s2,d0/EN 13501-1 | | |
| Solar and light properties | Kilimandjaro (White) | Lux (Translucent) | |
| Visible reflection R _v | 90 % | 57 % | EN 14501 |
| Visible transmission T _v | 8 % | 41 % | EN 14501 |
| Internal Solar Factor G _{tot} | 0,31 | 0,41 | EN 14501 (glazing C) |
| Management systems | | | |
| Quality | ISO 9001 | | |
| Environment | ISO 14001 | | |

Certifications, labels, guarantees, recycling



Batyline Aw has met the highest levels of Greenguard Gold and A+ certification, vouching for its very low volatile organic compound (VOC) emission level and thereby conserving excellent indoor air quality.

CE Marking compliance (EN 14716) tensioned ceilings

Material strength characteristics quoted are average values subject to a +/-5% tolerance. The buyer of our products is fully responsible for their application or their transformation concerning any possible third party. The buyer of our products is responsible for their implementation and installation in compliance with standards, codes of practice and safety regulations in force in destination countries. To ensure warranty effectiveness, refer to warranty certificate concerned available on demand. The values quoted above represent results of tests performed in compliance with common design practices and are provided for information only to enable customers to make the best use of our products. Our products are subject to changes prompted by technological developments. We reserve the right to modify their characteristics at any time. The buyer of our products is responsible for checking the validity of the above data.

→ Contact

- Headquarters: + 33 (0)4 74 97 41 33
- Your local representative: www.sergeferrari.com

→ Taxyloop®

- The Serge Ferrari operational recycling chain
- Secondary raw materials of high intrinsic value compatible with multiple processes
- A quantified response to combat depletion of natural resources

www.taxyloop.com

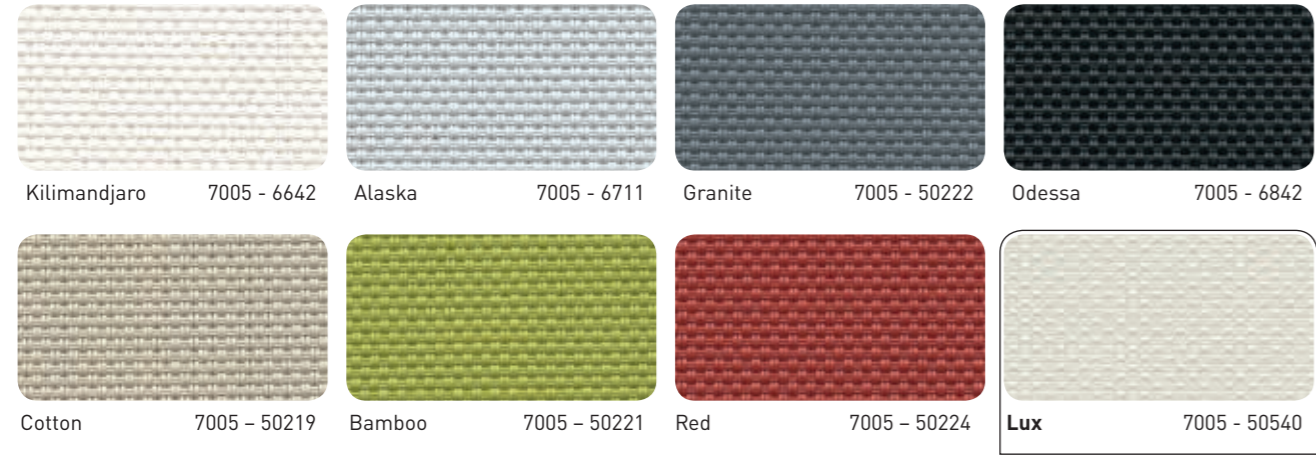
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Serge Ferrari

Timeless colours

White reflects and prolongs the light, thereby optimising lighting. As a source of contrast, black absorbs the light and sculpts volumes. Soft and quiet, green and cotton colours evoke architectural materials: stone, concrete, steel, wood. Burst of colour express the desire to highlight the space.



Other colours available on request (consult us)

> Place this page in front of a light source to witness Batyline Aw's translucence and whiteness.



Kilimandjaro 7005 - 6642

Lux 7005 - 50540



NEW Batyline Aw Lux - A unique combination of acoustic and lighting comfort.

- Absorbs 65% of sound and transmits 41% of light.
- Protects from solar heat (-59%) and glare beneath a glass roof or facade.

The colours and textures represented in this document are provided as a reference only.

Optimise acoustic comfort

Batyline Aw flexible, composite material has exceptional acoustic absorption performance characteristics.

Practical cases - Batyline Aw without additional absorbent

Reduction in reverberation time after Batyline Aw treatment

(Reports available on request)

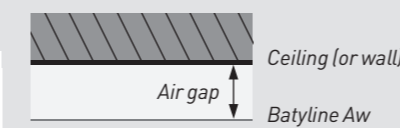
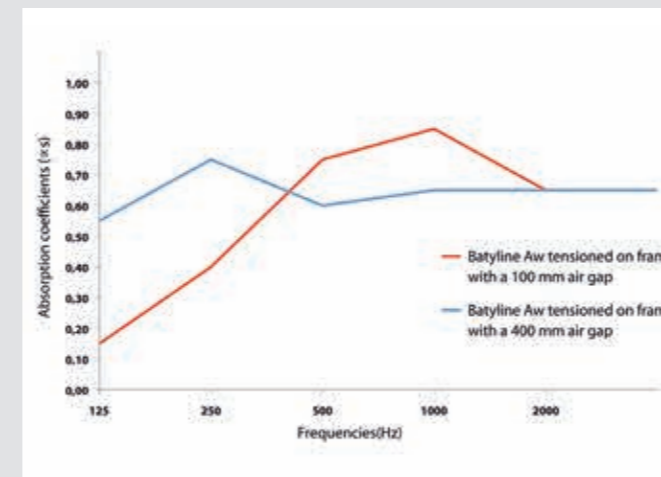
| | Ceiling and walls Vaujany ice rink (FR) | Tensioned ceiling Sports hall (NZ) | Tensioned ceiling Aqua centre (CH) | Ceiling and baffles Restaurant (FR) |
|-------------|--|---------------------------------------|---------------------------------------|--|
| Before | 7,7 s | 6,9 s | 4 s | 3,11 s |
| After | 1,8 s | 2,5 s | 1,6 s | 0,87 s |
| Gain | 76,6 % | 63,7 % | 60 % | 72 % |

Simply tensioned Batyline Aw

Freely tensioned Batyline Aw with an air gap is a solution that sets itself apart through:

- Avoiding the cost of a foam-, fibre- or wool-type additional absorbent and the drawbacks associated with such products,
- Efficient absorption throughout the sound frequency range, including low frequencies. This performance characteristic enables the requirements of multiple buildings to be met: sports halls, multipurpose halls, etc.

Batyline Aw with air gap and no additional absorbent

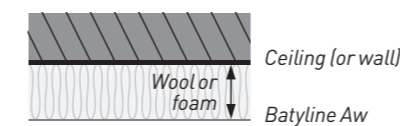


Absorption coefficient (ISO 354)

| Freq. (Hz) | Batyline Aw + 100 mm air layer | Batyline Aw + 400 mm air layer |
|--------------|--------------------------------|--------------------------------|
| 125 | 0.15 | 0.55 |
| 250 | 0.40 | 0.75 |
| 500 | 0.75 | 0.60 |
| 1000 | 0.85 | 0.65 |
| 2000 | 0.65 | 0.65 |
| 4000 | 0.65 | 0.65 |
| α_w^* | 0.65 | 0.65 |
| NRC* | 0.65 | 0.65 |

Batyline Aw combined with an absorbent

- Batyline Aw can be combined with a conventional absorbent to meet specific needs absorption requirements.
- Batyline Aw therefore enhances the absorbent's performance and reduces the thickness of the complex.



| Freq. (Hz) | Batyline Aw against 45 mm Rockwool (density 28 to 36 kg/m³) | Batyline Aw against 100 mm Rockwool (density 28 to 36 kg/m³) |
|--------------|---|--|
| 125 | 0.30 | 0.80 |
| 250 | 0.80 | 1.00 |
| 500 | 1.00 | 1.00 |
| 1000 | 1.00 | 1.00 |
| 2000 | 0.95 | 0.95 |
| 4000 | 0.90 | 0.90 |
| α_w^* | 1.00 | 1.00 |
| NRC* | 0.95 | 1.00 |

α_w : Weighted acoustic absorption coefficient
NRC: Noise reduction coefficient ASTM C243-90a
Reports on SO 354 ceiling, suspended panel, curtain and baffle tests are available on request.
* Results subject to slight variations

Choose the installation system best suited to your project

Unlike conventional materials, the unmatched flexibility, lightness and finesse of Batyline Aw materials allow:

- unrestricted freedom of implementation,
- fulfillment of several needs: acoustic, design, light, solar protection, strength,
- fixed or moving lightweight acoustics for adapting to a need and optimising structural usage.



Tensioned sails

- Lightweight, durable architecture.
- Solar protection under a glass roof.



Fixed or retractable velums

- An alternative to flat surfaces.
- In fixed or retractable versions.



Cladding of components

- Acoustic envelope adapting to all component or structural shapes.



Baffles

- Custom acoustic baffles.
- Glass roof blinds for solar protection.



Tensioned ceilings

- Large flat or curved, continuous surfaces.
- Quick installation and removal.



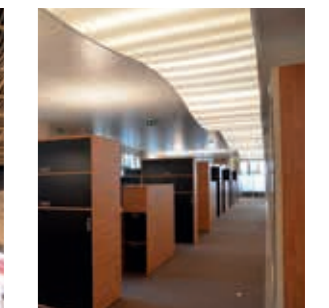
Wall & ceiling panels

- Custom dimensions, shapes and printing.



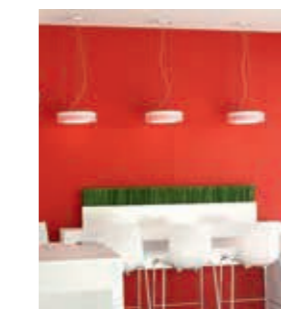
Behind openwork facing

- Tensioned or stapled behind an openwork element.



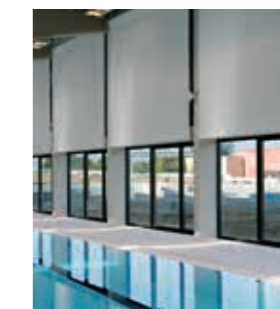
Luminous ceilings

- Acoustic objects for lighting based on Batyline Aw Lux.



Tensioned walls

- Flat or curved, continuous, absorbent surfaces.
- Printing or image screening.



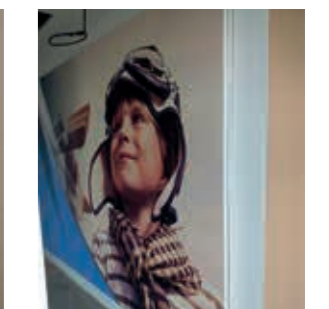
Curtains & screens

- Easy to install, no heavy operation required.
- Projection screens.



Sliding panels

- In front of glazing or as separating partition.
- Movable to adapt acoustics to room usage.



Printed panels

- HD restitution, optimum colour rendition.