

 **BARRISOL**®



ORIGINE  
**FRANCE**®  
GARANTIE

BVCert. 6039707  
Plafond tendu

Architecte : David Chipperfield

• • • **Acoustic**® light • • •

Acoustics & Light





## Presentation

Acousticians and architects have been expecting it for years. Acoustic light has now become a reality. LUMIERE ACOUSTIC® by BARRISOL® is the result of many years of research and development. The luminous material has become acoustical, retained its attractive appearance and has excellent sound absorption coefficients:  $\alpha_w$  de 0.3 à 0.7.

The LUMIERE ACOUSTIC® by BARRISOL® solution now appropriately completes the range of luminous ceilings BARRISOL® has offered for many years.



## Major Evolution

THE 2 IN 1 INNOVATING SOLUTION IS THE RESULT OF A MAJOR EVOLUTION :

To this day, acoustic ceilings and luminous ceilings had been available, but not ceilings that were both acoustic and luminous. LUMIERE ACOUSTIC® by BARRISOL® is a unique innovation that perfectly meets the expectations of architects and acousticians.





Design : Dumont Designer Conseil

## Added Value

### ADDED VALUE FOR PROFESSIONNALS

- LUMIERE ACOUSTIC® corrects the acoustics of a place while bringing a fair amount of luminosity to that place,
- The LUMIERE ACOUSTIC® systems is extremely light and can implemented very fast,
- LUMIERE ACOUSTIC® combines aesthetics and design,
- Quality and light transmission are perfectly homogenous,
- Accessibility and maintenance are easy as easy can be,
- LUMIERE ACOUSTIC® meets fire regulations



LINEOSontwerpureau

## Certifications

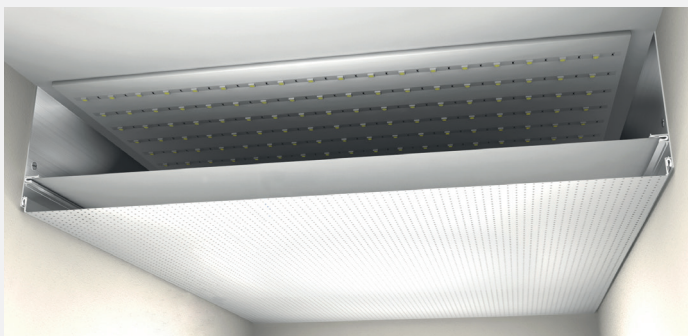
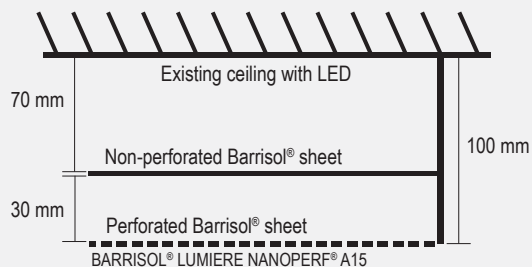
### CERTIFICATIONS & STANDARDS :

- Acoustic measurements made in an official laboratory according to ISO 354 standard, DIN EN ISO 11654, ASTM C423
- PV fire, Bs1-d0 Class A (USA)
- Light transmission rates are measured and certified by the CSTB and the LNE (independent laboratories)

Safety and quality are BARRISOL® top priorities, in accordance with existing legislations. Like all BARRISOL® sheets, LUMIERE ACOUSTIC® by BARRISOL® is 100% compliant with the CE standard and is made with plasticizers that are phthalates, cadmium, mercury and arsenic free. What is more, Barrisol Normalu is the 1st stretched ceilings manufacturer to get the «Origine France Garantie» («French Origin guaranteed») label.

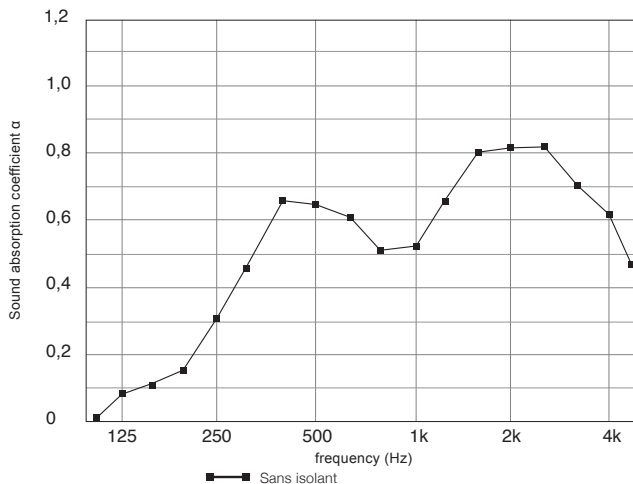
▶▶▶▶▶  **A15 NANOPERF®** without insulation

■ **NANOPERF® sans isolant**



**NANOPERF® A15 features**

- Holes : 500 000/m<sup>2</sup>
- Hole diameter : ≈ 0,1 mm
- Perforation rate : ≈ 1 %
- Thickness : ≈ 0,18 mm
- Référence : A15 + réf. colors



a Sound absorption coefficient according to DIN EN ISO 11654	Frequency (Hz)						Average sound absorption according to ASTM C423-01	Noise Reduction Coefficient according to ASTM C 423-01	Sound absorption coefficient measured according to DIN EN ISO 11654	Sound absorption class according to DIN EN ISO 11654
	125	250	500	1000	2000	4000				
NANOPERF® Plenum 100 mm without insulation	0,05	0,30	0,65	0,55	0,80	0,60	SAA = 0,58	NRC = 0,55	$\alpha_w = 0,55(H)$	D

PV in other configurations available on demand.



Architecte : Corporación Grupo Roble

Architecte : NAGUI SABET

**INNOVATING NATURE OF LUMIERE ACOUSTIC®**

The combination of light and acoustics delivers a unique design. The acoustics absorbing material becomes invisible. Matter becomes light. This homogenous light can be plain or coloured. And it provides a total acoustic correction

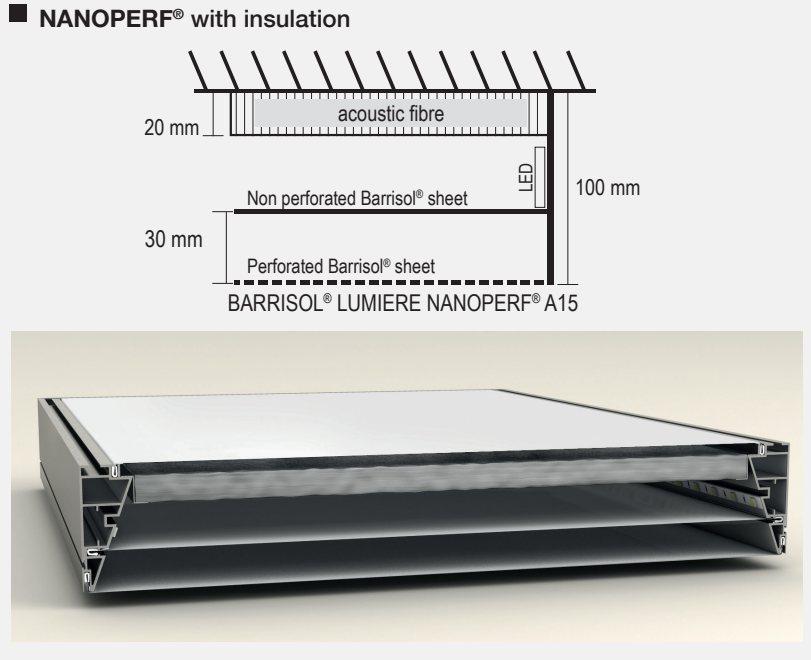
**TECHNICAL EVALUATION FOR INNOVATION**

Fire classification according to European and international standards (Bs1-d0 and Bs2-d0). All fire and smoke tests confirm that all BARRISOL® sheets comply with the requirements of both public and private spaces. BARRISOL® sheets are rated A+ (highest rate), in accordance with inside air quality legislations.

Innovative character

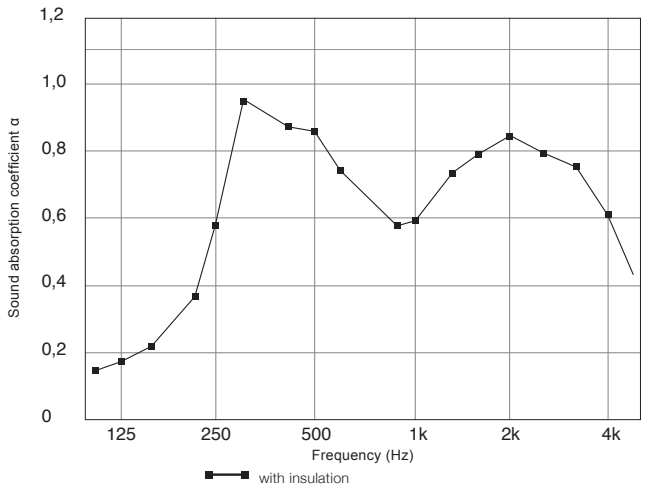


▶▶▶▶▶ **A15**  
**NANOPERF®** with insulation



**NANOPERF® A15 Features**

- Holes : 500 000/m<sup>2</sup>
- Hole diameter : ≈ 0,1 mm
- Perforation rate : ≈ 1 %
- Thickness : ≈ 0,18 mm
- Référence : A15 + réf. colors



a Sound sborption coefficient DIN EN ISO 11654	Frequency (Hz)						Average sound absorption according to ASTM C 423	Noise Reduction Coefficient according to ASTM C 423	Sound absorption coefficient measured according to DIN EN ISO 11654	Sound absorption class according to DIN EN ISO 11654
	125	250	500	1000	2000	4000				
NANOPERF® Plenum 100 mm with insulation 20 mm	0,15	0,60	0,80	0,60	0,80	0,60	SAA = 0,72	NRC = 0,70	$\alpha_w = 0,70(H)$	C

PV in other configurations available on demand.



Architecte : BURDIFILEK



Architecture : De Schepper E.C.

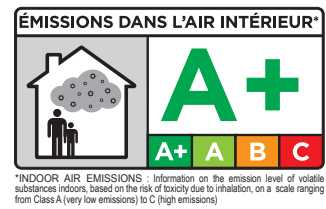
## Ecology and sustainable Development

Ever since it was founded, Barrisol® Normalu® S.A.S. has taken environmental protection into account.

Barrisol® pushes this one step further with the new range of "Les Recyclés®" ceilings, as these sheets are made of recycled Barrisol sheets. Barrisol® sheets are 100% recyclable. Besides, all

materials used in the manufacturing process are also recyclable. As a responsible company, Barrisol® Normalu® S.A.S. has a daily commitment to sustainable development and has developed a car-pooling system for their co-workers and puts minibuses at their disposal.

### At the Heart of Innovation since 1967

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