BARRISOL®

Enhanced Climatisation for your well-being®


Architecte : AID Architecten

Barrisol® Clim®: the technical and practical benefits

It handles all the technical functions in one unit:

- Heating and cooling
- Area ventilation / Free cooling
- Acoustic and/or luminous membrane
- Option to integrate sound or projected video

Combining beauty and flexibility:

- No unsightly technical components on show
- Eliminates visible ventilation hardware. Frees up space on your walls and in your home
- Optimises the height of your plenum

Unparalleled comfort for enhanced well-being:

- Quiet
- Acoustic absorption
- A consistent temperature throughout
- A heightened system response time allows the unit to reach the desired temperature quickly
- No draught

Powerful and economical:

- Uses between 5 and 10% less energy than standard air-conditioning
- Environmentally friendly (less energy, less matter) **AAA cold** and **AAA hot** performance, according to the ISO 7730 standard
- Minimal maintenance required

BARRISOL®

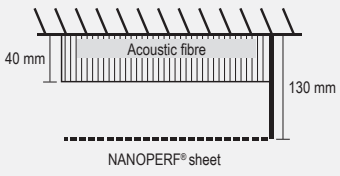
Clim® Acoustics®

A15 NANOPERF® SINGLE-SHEET

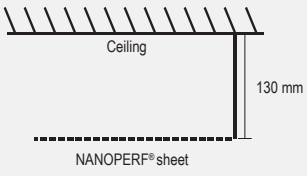
NANOPERF® A15 characteristics

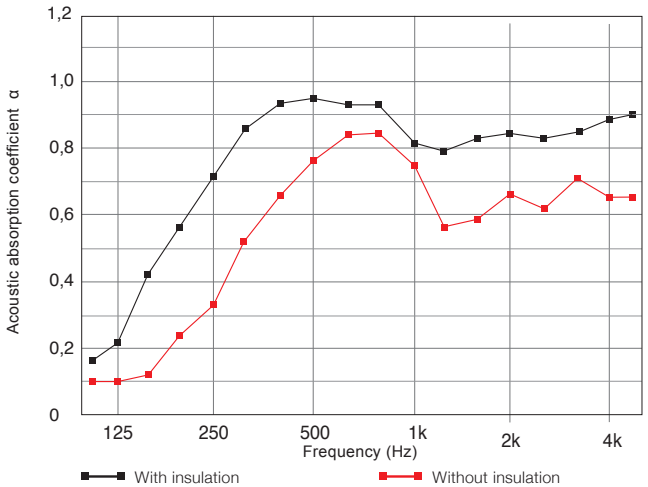
Holes: **500 000/m²**
Hole diameter: **≈ 0,1 mm**
Perforation rate: **≈ 1 %**
Thickness: **≈ 0,18 mm**
Reference: **A15 + colour reference**

NANOPERF® with insulation



NANOPERF® without insulation





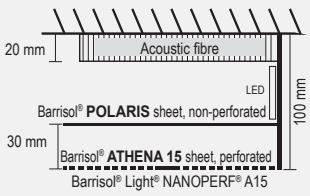
Clim® Acoustic Light®

A15 NANOPERF® LUMINOUS DOUBLE-SHEET

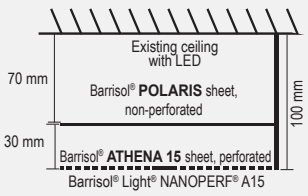
NANOPERF® A15 characteristics

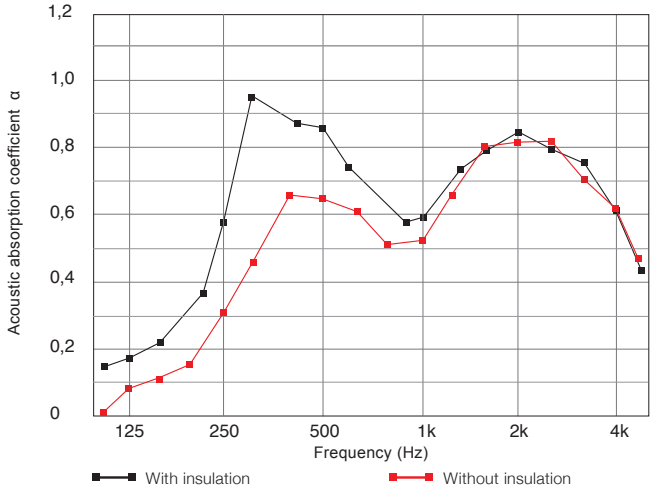
Holes: **500 000/m²**
Hole diameter: **≈ 0,1 mm**
Perforation rate: **≈ 1 %**
Thickness: **≈ 0,18 mm**
Reference: **A15 + colour reference**

NANOPERF® with insulation



NANOPERF® without insulation



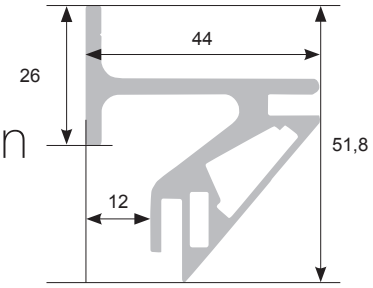


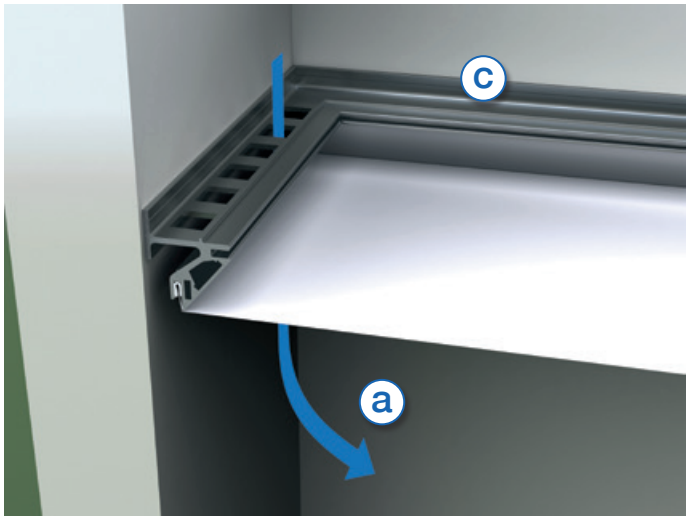
PV available upon request

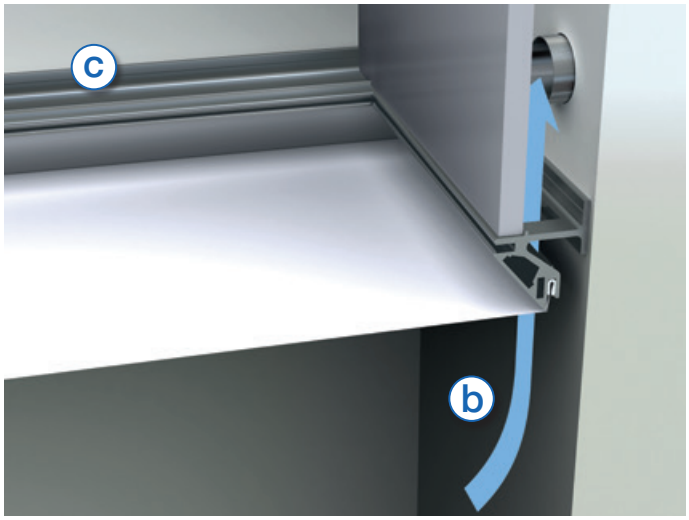

Architect : Sintoplan


Realization : Estrikor

Barrisol® Clim®: An innovative design





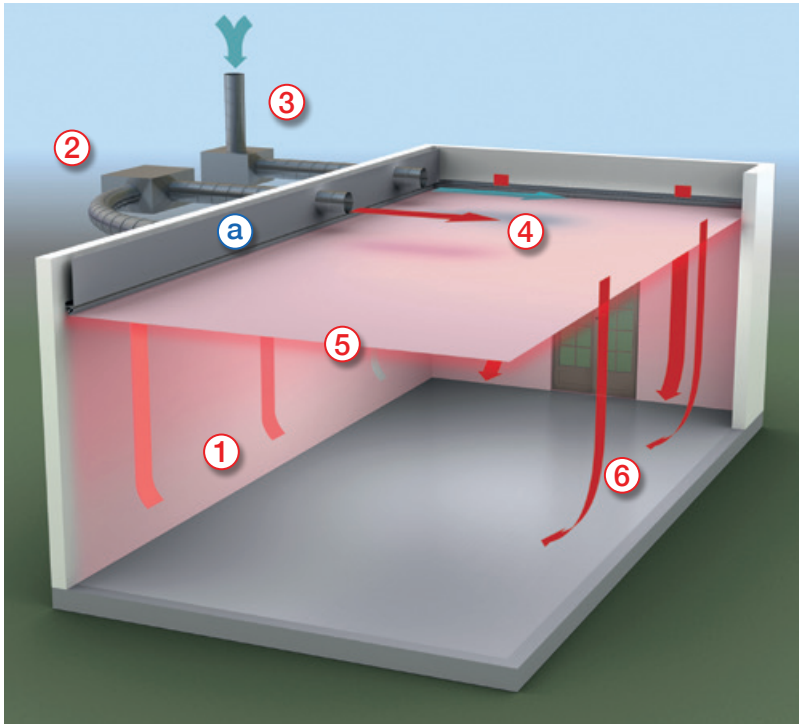


With its unique and patented open shape, the Barrisol® Clim® can transfer air either by **blowing** (a) or by **suction** (b) between the plenum space and the rest of the room.

The **solid** version (c) of the unit allows you to prevent air passing through certain walls.


Realization : Estrikor

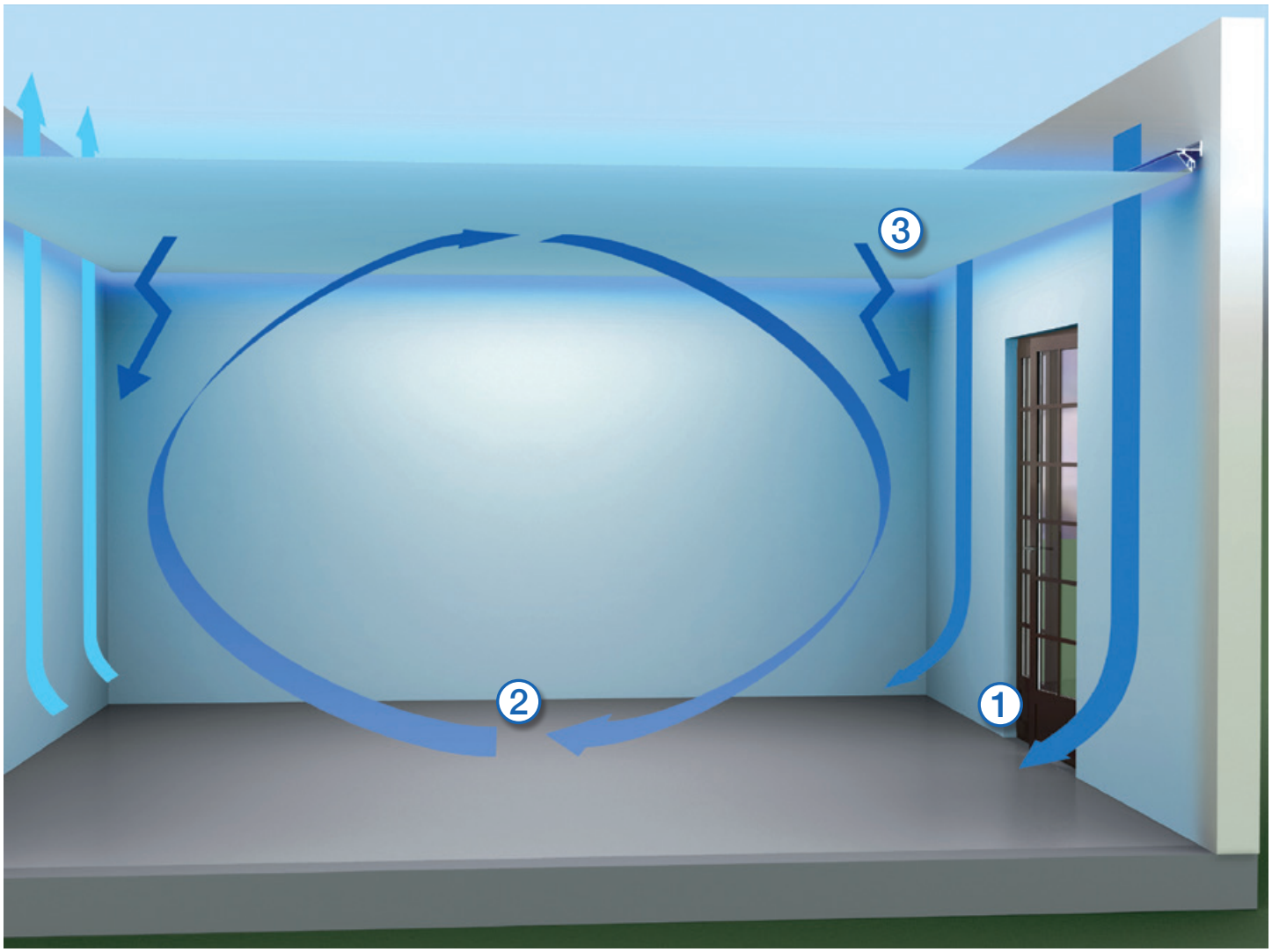
Barrisol® Clim®: for clean, healthy air and a constant temperature



1. Ambient air is taken in along the inner walls of the room, then channelled through a separating wall (a), supported by the special Barrisol® Clim® unit.
2. The air enters the air conditioning unit*, where it is filtered and heated or cooled before being released into the plenum between the upper panel and the top of the Barrisol® Clim®.
3. A ventilation chamber can be connected to the system to inject new clean air into the plenum.
4. The conditioned air blends effectively with the new air and is distributed throughout the volume of the plenum.
5. The Barrisol® Clim® ceiling becomes one huge diffuser, radiating heat or coolness across the entire surface.
6. The conditioned air flows slowly over the outer walls.

* *The Barrisol® Clim® system is compatible with all hot- and cold-air production technologies which use forced air. Contact your approved Barrisol® installer for more information.*

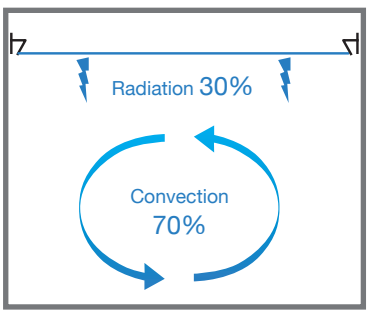
Barrisol® Clim®: Conditioning your air through the ceiling



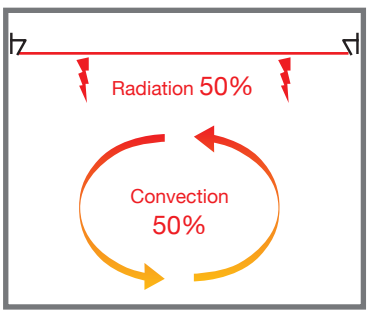
1. Whether in summer or winter, conditioned air will flow gently over the outer walls. This eliminates any unpleasantly hot or cold walls.
2. A natural flow of air develops throughout the space inside the room, at speeds so low they are barely perceptible.
3. Heat radiates through the entire surface of the ceiling, providing pleasant, gentle heat or coolness.

An example of the thermal distribution provided by the system

Cooling mode



Heating mode

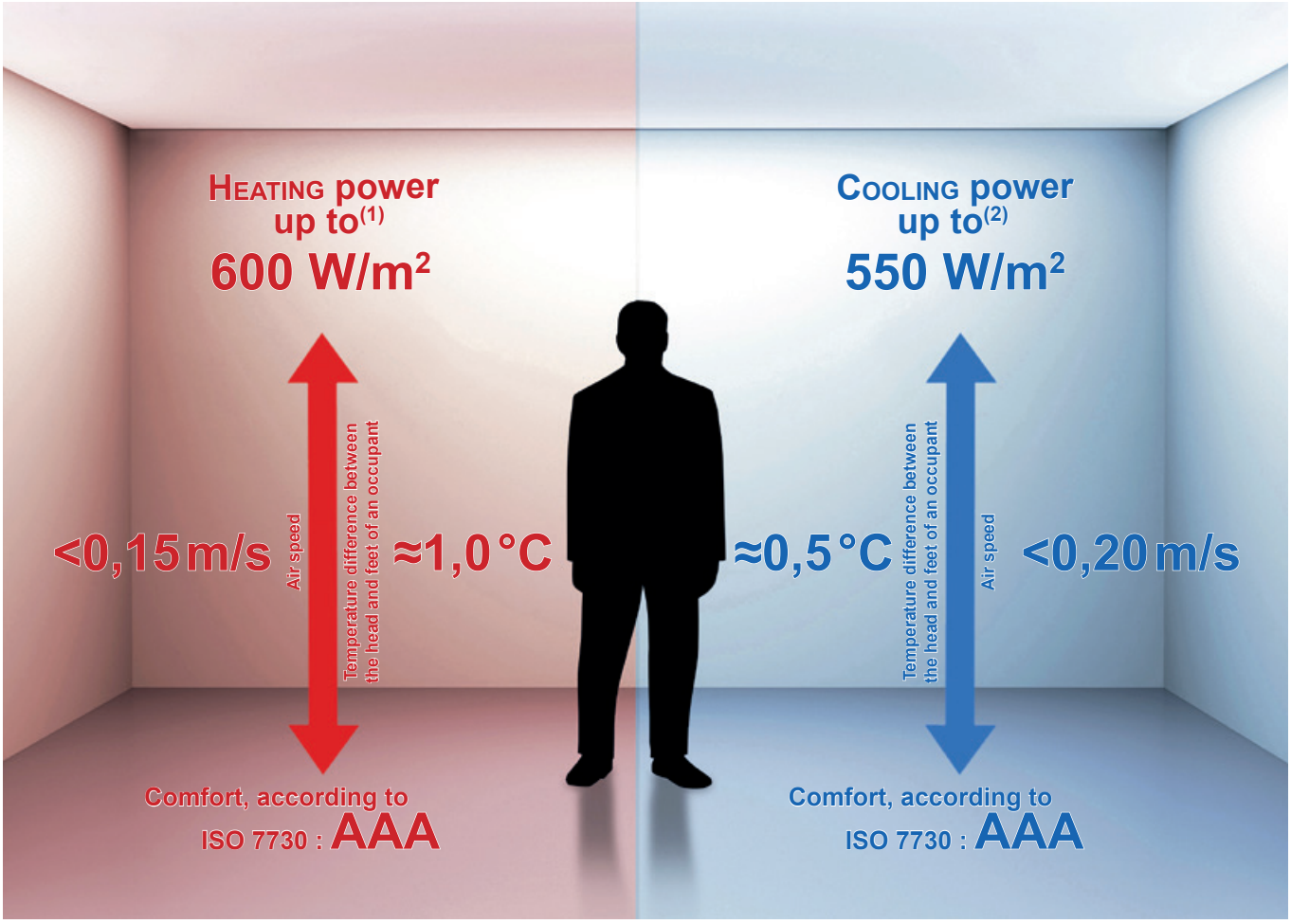


Thanks to the consistent wall temperatures, the natural air flow and the large heat-exchanging surface of the ceiling, Barrisol® Clim® provides unparalleled comfort whether heating or cooling your home.

Occupants are surrounded by a gentle sensation of warmth or coolness. There is no noise and no air disturbance.

The ceiling works to radiate the heat or coolness extremely quickly. You'll feel a notable change in temperature within minutes.

Barrisol® Clim®: a breeze so gentle you'll hardly feel it



(1) with no risk of deforming the stretched sheet ceiling

(2) with no risk of condensation on the stretched sheet ceiling

Barrisol® Clim® evens out the temperature of both your walls and the air, wherever you are in the room.

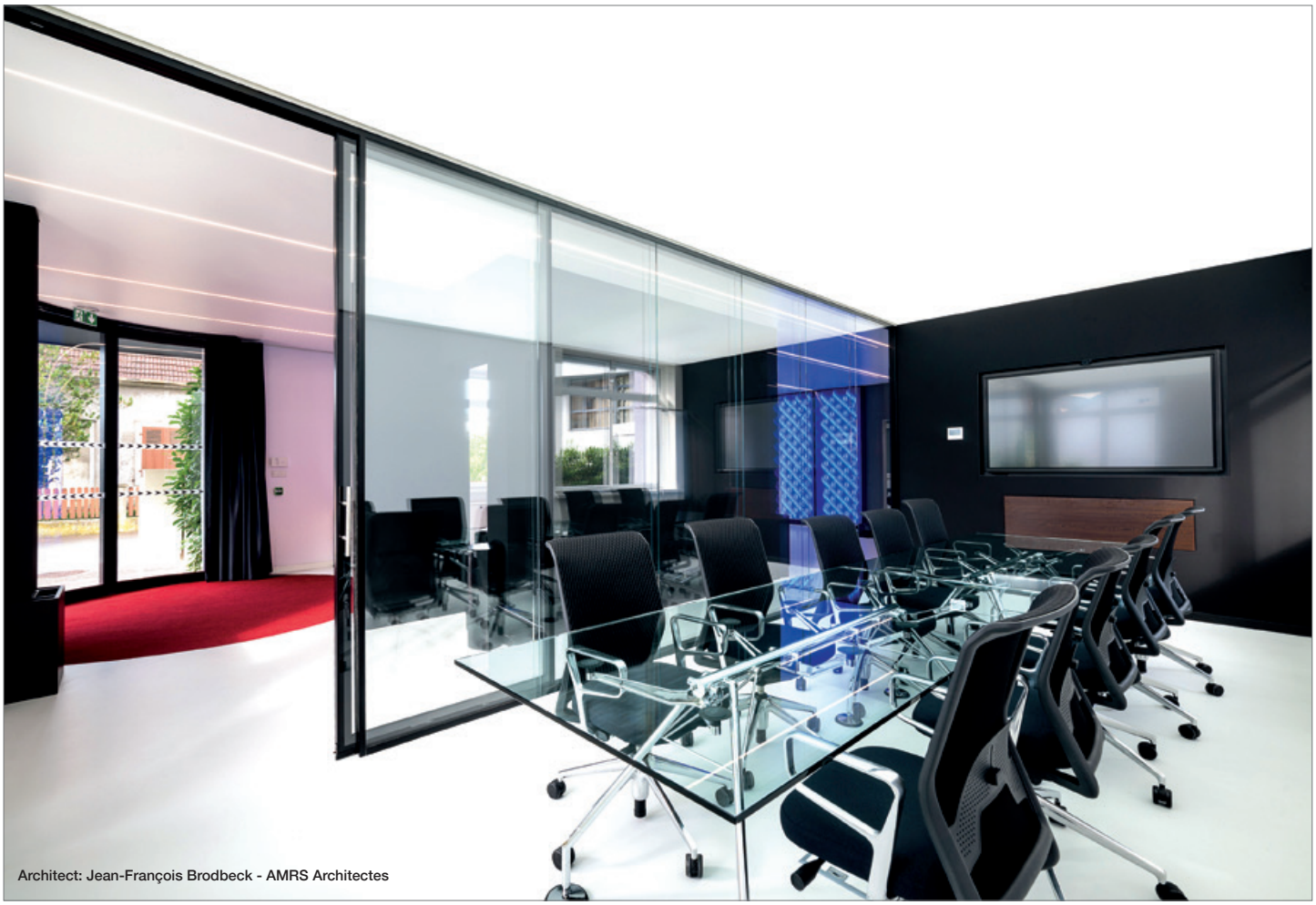
The extremely low temperature difference between the head and the feet of an occupant (1.0°C in heating mode and 0.5°C in cooling mode), alongside the almost imperceptible air speed, means that Barrisol® Clim® can provide unparalleled comfort.

Unlike "static" air conditioning ceilings (which use hydraulic tubes), Barrisol® Clim® offers almost unlimited power.

The admissible power of 600W/m² while heating and 550W/m² while cooling ensures that it can meet your heating and cooling needs, wherever you are on the planet.

Architect: Jean-François Brodbeck - AMRS Architectes

BARRISOL®



Architect: Jean-François Brodbeck - AMRS Architectes

Acoustic luminous Climatisation

Our **Engineering Department** is at your service to study and carry out your project.

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www.barrisol.com

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2017 JANUS 2017 DE L'INDUSTRIE BARRISOL® CLIM' | 2016 TROPHEE REGIONAL EXPORT | 2015 REDDOT AWARD 2015 BEST OF THE BEST

2015 JANUS 2015 DE L'INDUSTRIE | 2015 TOP DESIGN AWARD 2015 BARRISOL® MIRROR® | 2015 TROPHÉE ALSACE INNOVATION 2015 | 2015 BELGIAN BUILDING AWARDS 2015 BEST DESIGN | 2014 DÉCIBEL D'OR 2014 | 2013 TROPHÉE DE L'INNOVATION BATIMAT 2013 | 2011 TROPHÉE DU DESIGN AWARD BATIMAT 2011 | 2011 GRAND PRIX « GRYF SUD » BARRISOL MALIN SUPPLY POLOGNE | 2010 LES INNOVATIONS ALSACE LES EFFETS IMITÉRE FRANCE | 2009 PRIX DE LA FOIRE VAPI STAND BARRISOL TURQUIE | 2008 MÉDAILLE D'OR BARRISOL ACOUSTICS RUSSIE | 2008 PRIX DU PRODUIT BARRISOL RECYCLE FRANCE | 2007 GRAND PRIX BARRISOL LUMIÈRE CZECH REPUBLIC | 2004 BELGIAN BUILDING AWARD BATIBOUW BELGIQUE | 2003 SIDIM CERTIFICAT D'EXCELLENCE CANADA | 2002 EXCELLENCE AWARD 1ÈRE PLACE CONSTRUCTION USA | 2002 PRIX DE L'INNOVATION BARRISOL ACOUSTICS ALLEMAGNE | 2002 PRIX DE L'INNOVATION BARRISOL LUMIÈRE ALLEMAGNE | 2001 PRIX DU DESIGN CZECH REPUBLIC | 2001 MÉDAILLE D'OR CONSTRUCT EXPO ROUMANIE

2001 PRIX DU MEILLEUR PRODUIT BARRISOL LUMIÈRE POLOGNE | 2000 INNOVATION ET QUALITÉ POLOGNE | 2000 PRIX DESIGN ET TECHNIQUE BARRISOL STAR ALLEMAGNE | 1999 PRIX EXCELLENCE SALON NATIONAL DE L'HABITAT CANADA | 1997 PRIX D'EXCELLENCE CISCA USA | 1997 PERFORMANCE ET QUALITÉ CANADA | 1997 MENTION D'HONNEUR ESPACIOS VI CHILI | 1996 MÉDAILLE D'OR DÉCOR EXPO'96 CHINE | 1996 PRIX DE L'INNOVATION INTERBUILD MELBOURNE AUSTRALIE | 1995 MÉDAILLE D'OR DU PRODUIT CHINE | 1995 MÉDAILLE D'OR DU PRODUIT CONSCIOUS CZECH REPUBLIC | 1993 1ER PRIX PRODUIT ET TECHNOLOGIE FOR ARCHITECTURE CZECH REPUBLIC | 1991 MÉDAILLE DE BRONZE INNOVATION - BATIMAT FRANCE | 1991 OSCAR D'HONNEUR SIAM BARRISOL STAR | 1990 L'EXCEPTIONNEL SUISSE | 1990 PRIX SPÉCIAL DU JURY THERMALU BARRISOL FRANCE | 1985 OSCAR SYNDICAT NATIONAL DES ARCHITECTES D'INTÉRIEUR | 1984 COUPE DU PRODUIT D'AVANT GARDE FRANCE | 1983 LABEL D'ESTHÉTIQUE INDUSTRIELLE FRANCE | 1975 MÉDAILLE D'ARGENT POUR L'INNOVATION BATIMAT FRANCE

1967 50 ans 2017

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C

CE CERTIFIÉ PAR UN LABORATOIRE INDÉPENDANT (LNE) CERTIFIED BY AN INDEPENDENT LABORATORY

CANADA GREEN BUILDING COUNCIL MEMBRE

UK GREEN BUILDING COUNCIL Member

U.S. GREEN BUILDING COUNCIL MEMBER Membre du conseil US pour les Bâtiments «Verts»

CLUB DES N°1 MONDIAUX

union des fabricants unifab POUR LA PROTECTION INTERNATIONALE DE LA PROPRIÉTÉ INTELLECTUELLE

iept institut européen du plafond tendu

CLASSIFIED C UL US

*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).
*Information on the emission level of volatile substances indoors, based on the risk of toxicity due to inhalation, on a scale ranging from Class A (very low emissions) to C (high emissions).
*Informationen über den Emissions von flüchtige Substanzen in Innenräumen, klassifiziert von A+ (sehr niedrige Emission) bis zu C (hohe Luftbelastung) bezogen auf das Risiko der Veruneinigung der Atemluft mit toxischen Substanzen.

PEFC 10-31-1436