

The logo for BARRISOL, featuring a stylized 'B' icon in a square followed by the brand name in a bold, red, sans-serif font with a registered trademark symbol.

BARRISOL®



Light
on interior lighting





«Innovation at the Speed of Light»

Editorial



Architect: Plajer & Franz Studio

Light is the energy source that originates and sustains all life on the planet. In the French language, we associate light with innovations and new discoveries. Light allows all of us to reach our full potential at home, work and play.

Today, Barrisol offers a unique way to bring light into your designs in a more vivid way than ever before. Adjusting the light level or changing the light colour can allow you to dramatically change the appearance and feel of any space with just the push of a button.

Although often overlooked, lighting systems often have a large impact on how a space feels to the occupant. Through the use of Barrisol, architects and interior designers can now use technology to improve the way they light interior spaces and help reinforce their design intent.

Providing vivid, diffused, soft, changing light is the result of Barrisol's decades of R&D investment. Now you can truly have a unique lighting element or system for each unique space. No more standard solutions for custom spaces.

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Architect : Lab Architecture studio & Bates Smart

Lighted ceilings

To achieve a lighted ceiling, Barrisol rails (PCV or aluminium) are installed around the perimeter of the opening. The lighting system, either simple or complex, is then installed within the ceiling above the rails. The Barrisol's sheet is then installed. Thanks to the synergy between all of these components, the ideal lighting system for any space can now be designed quickly and easily.



Architect : Tinley Shane

Design

These lighted ceilings are a unique and innovative way to light up and enhance any space. The light becomes an architectural focal point that helps say something unique about your space. Barrisol's lighted ceilings can be adapted to all types of places to create specific light effects that reinforce the overall design.

Utilization

Barrisol's lighted ceilings are ideal for traditional residential and commercial interior design applications. Lighted ceilings can also be used to provide crisp, clean light in manufacturing facilities, retail outlets or hospitals. Hospital applications could range from patient rooms and waiting areas to spaces used for chromotherapy or luminotherapy. The possible applications are limited only by your imagination.

Associations

Another unique feature of Barrisol is the ability to print on the sheet. Printing onto a translucent sheet and then lighting the image from behind can dramatically enhance the impact of the graphic image.

Lighted ceilings can also provide an acoustic solution if the lighted ceiling is used in conjunction with an acoustic Barrisol sheet.

When installed behind the Barrisol lighted ceiling sheet, the acoustic sheets help absorb part of the acoustic waves and greatly improves sound quality and intelligibility.

These ceilings provide their spaces with significant aesthetic, light and acoustic benefits.





Architect : Renault

Lighted walls

*B*arrisol translucent sheets can also be used for wall applications. The walls are composed of an aluminium structure, the light system and the sheet. This vertical use is an innovative and aesthetic light solution and a unique way to organize and design space.



Design : canapé Belgique

Design

These lighted walls help enhance the contents of any space. The objects in this space are enveloped in light and stand out distinctly in contrast to the lighted walls. Lighted walls can be designed and adapted to fit the unique requirements of any space.

Utilization

These lighted walls are used in showrooms, trade show exhibits, shops, restaurants, casinos and even museums to enhance the contents of the space.

It also lights and accentuates open spaces by drawing the occupant's eye and inviting them into the space.

Associations

It is possible to print on lighted walls. All types of pictures and images are printable. These images are enhanced by the addition of light from behind. As with the lighted ceilings, lighted walls are an efficient tool to optimize aesthetics and acoustics of any space.





Architects: Cetin Keskintepe

3D lights



Barrisol provides customized, 3D creations of light in the form of cubes, pyramids, spheres, ellipsis and cones in all dimensions. Traditional or avant-guard shapes are created with aluminium or PVC support structures on which the sheet is stretched. These lights can be suspended above the sheeting or integrated into Barrisol ceiling assembly.



Architects : Marek DEYL, Jan SESTAK

Design

As a complement to the Barrisol's line of 2D light solutions, 3D lights add to the form and aesthetics of the space. As both a source of light and element of decoration, these lights are perfectly integrated into the whole architectural structure. All types of shapes can be created and all variety of colours and finishes (suede, lacquer, satin and matt) can be utilized to create the desired effect.



Utilization

The Barrisol's 3D lights are the ideal way to enhance public places such as restaurants, bars, shops, etc. Smaller and more intimate spaces can also benefit from using a Barrisol 3D lighting system.

Associations

These 3D lighted ceilings can benefit from integrating a variety of colours, finishes and printed solutions into the Barrisol application. Printing a logo or an image on the sheet can further enhance its impact on the space.





3D lighted shapes

In addition to 3D light ceilings, Barrisol can also be used to create all types of decorative shapes and 3D forms. These 3D shapes become architectural focal points that help say something unique about the space.



Architect : Peter Eisenmann

Design

Almost any conceivable design is possible, from a long multicolour tube, to an exhibition structure or even a creation of a humanoid form several meters high. The 3D light shapes become aesthetic focal points that create a unique identity and image for the place where they're installed.

Utilization

Barrisol's 3D shapes are structures of imagination and creativity that are designed for either special events or as part of permanent structures.

Associations

The Barrisol 3D shapes can be created in conjunction with the Barrisol's acoustic sheets in order to optimize the acoustics of a space. Part of the sound waves will be absorbed by the acoustic sheet each time the sound wave passes through the acoustic sheeting. This phenomenon reduces the reverberation time within the space and facilitates better communication and intelligibility in crowded places.





Heine Architekten

Lighted cases

Lighted cases are available in three primary versions: cases with LED lighting systems, cases with translucent and acoustical sheeting, and cases using one of Barrisol's latest innovations EasyAccess®.

Using LED lighting allows for the creation of lighted cases using only a very shallow recess. In addition to the functional benefit of the lighting, an acoustic sheet can be used with the lighted Barrisol sheet for greater sound attenuation.

EasyAccess provides a fast and convenient way to gain access to the area above the lighted case. The system is electrically operated via remote control and provides access to mechanical or electrical equipment above the lighted case.

These lighted cases can be equipped with a dimmer switch to control the amount and colour of light and can come in any size.



Architect : Mailander

Design

The light case provides spaces with pleasant, crisp and diffused light. Designs can come in any possible shape to help match and enhance the design of the ceiling.

The ability to dim or increase the lighting allows the occupant to change the look and feel of the space at any time.

The ability to alter the feel of the space is dramatically increased by the ability to change the colour of the ceiling with the dimmer.

The ability to change the ceiling from red to green to violet and black is something that no standard finish material can provide you and ensures the creation of a one-of-a-kind space.



Utilization

Lighted cases are ideal for any place you want to fill with even, diffused light. Lighted cases with acoustic sheeting are ideal for high occupancy spaces such as retail stores, shopping centres, atriums and meeting rooms.

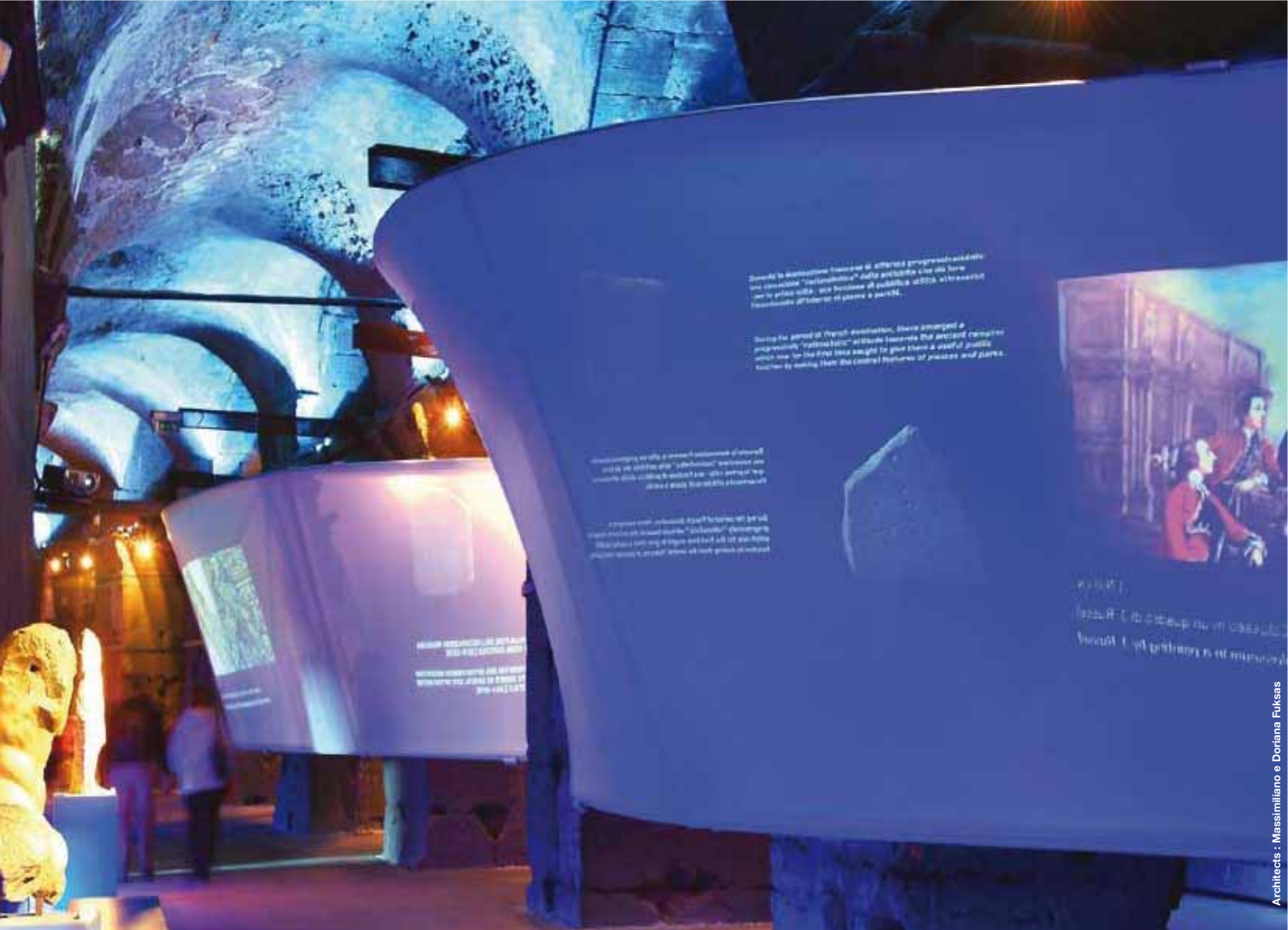
Any space that can benefit from pleasant, even light and excellent acoustics would be an ideal application for acoustic lighted cases.



Associations

The luminous frames can incorporate Barrisol acoustic sheets. It will enhance the acoustics of the place by absorbing part of the sound waves of each reflexion. This phenomenon reduces the reverberation time within the space and facilitates better communication and intelligibility in crowded places.





Architects : Massimiliano e Doriana Fuksas

Projections

The Barrisol's sheets can also be used as a front or rear projection screen. Stretched on structures designed in any shape or size, Barrisol sheets can incorporate constantly changing video images rather than just a single, static, printed image. In a projection screen application, any kind of light, image, picture, text or movie can be projected onto the sheet. Translucent or opaque sheets can instantly be transformed to a bold, vivid array of colours by simply turning on a projector.



Designer : James Law

Design

Projecting an image onto a Barrisol translucent sheet can also allow the sheet to constantly change colour. The movement of light as it constantly changes colour and moves across the screen gives any space a vivid and dynamic atmosphere. On opaque sheets, it is possible to project a landscape creating an atmosphere that can be adapted to suit any space. It is also possible to add sound to the colour effect to enhance the visual and sound impact of the Barrisol application.



Utilization

Projecting onto a Barrisol sheet can be useful in applications such as art galleries, corporate headquarters, advertising display at a trade show exhibit, restaurants, cafés, etc. Any place where you want the ability to regularly change the image or information you want to convey to your guests or customers is an ideal location for a Barrisol projection surface.





Architects: Kerez, Moger & Degelo

Acoustics[®]



The Barrisol light creations can be a great tool to optimize the acoustics of any space by using a Barrisol acoustic sheet in conjunction with a Barrisol translucent sheet.

When installed in an active acoustic environment, such as cinema, meeting room, lobby, dining room, home cinema room, etc., the acoustic sheet absorbs part of the sound waves that pass through it. This action decreases reverberation and greatly improves sound comfort and intelligibility.

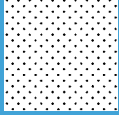
Principle of acoustic absorption

Acoustic absorption reduces the intensity of sound waves as they reflect within a room. The air movement induced by a sound source is partially absorbed by the sheet which reflects only a small portion of the sound wave. It decreases reverberation within a room but does impact acoustic isolation which is the amount of sound that is transferred from one room to another. The Barrisol sheet lets the sound going through and absorbs a portion of each sound wave and converts it to thermal energy. These consecutive losses of energy help reduce the sound level within the space.



Acoperf®

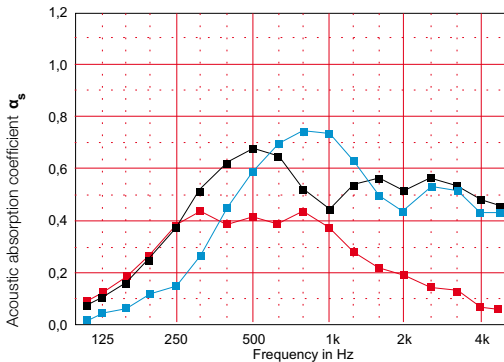
perforations



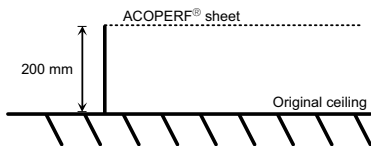
Characteristics

Number of perforations: 400,000/m²
 Perforation diameter: ≈ 0,15 mm
 Perforation rate: ≈ 0,8 %
 Thickness: ≈ 0,13 mm
 Reference: A20 + colours ref.

BARRISOL ACOPERF® at 100 mm, 200 mm and associated with a standard sheet at 200 mm.

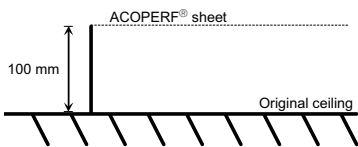


- BARRISOL ACOPERF® 100 mm sheet
- BARRISOL ACOPERF® 200 mm sheet
- BARRISOL ACOPERF® 200 mm if non-perforated sheet



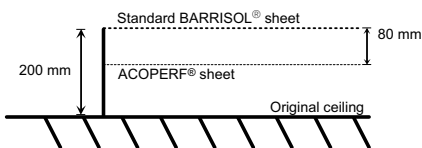
Acoustic absorption indexes

Sound absorption average per ASTM C423 - 01 SAA = 0.51
 Noise reduction coefficient per ASTM C423 - 01 NRC=0.50
 Acoustic absorption coefficient measured per DIN EN 11654 aw=0.55
 Acoustic absorption class per DIN EN 11654 D



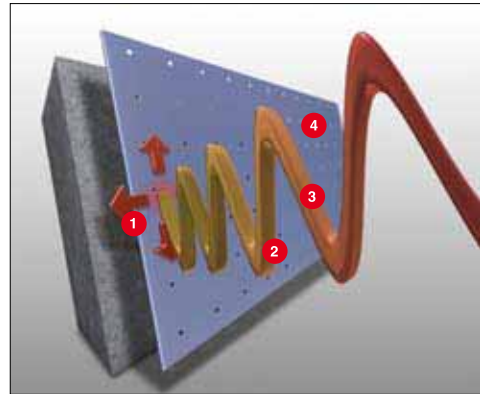
Acoustic absorption indexes

Sound absorption average per ASTM C423 - 01 SAA = 0.48
 Noise reduction coefficient per ASTM C423 - 01 NRC=0.50
 Acoustic absorption coefficient measured per DIN EN 11654 aw=0.50
 Acoustic absorption class per DIN EN 11654 D



Acoustic absorption indexes

Sound absorption average per ASTM C423 - 01 SAA = 0.32
 Noise reduction coefficient per ASTM C423 - 01 NRC=0.35
 Acoustic absorption coefficient measured per DIN EN 11654 a w=0.25(L)
 Acoustic absorption class per DIN EN 11654 E



- 1 Initial sound
- 2 Sound transformed into thermal energy
- 3 Barrisol Acoustics®
- 4 Reduced sound

Barrisol Acoustics®

Barrisol Acoustics® is a diverse line of perforated, sound absorbing sheets that provide specific sound absorbing options for specific spaces.

The effectiveness of Barrisol Acoustics® is based on the physics associated with the interaction of the sheet, micro-perforations and sound waves. The micro-perforations transform the acoustic energy of the sound waves into thermal energy. The friction of the air in the micro-perforations and air volume enclosed between the material and the ceiling cavity further work to decrease the intensity of the sound waves.

Barrisol's Acoustics® line offers four types of acoustic sheets: Miniperf®, Microacoustic®, Acoperf® and Microperf®. Each of them is uniquely designed with differing perforation density and perforation diameters and responds to specific needs of each space.

Barrisol Acoustics® technology helps to obtain spectacular results.



Architect : Muma Compan



Printed



he whole range of Barrisol's features allows anyone to create a space with the exact feel and shape they are looking for.

To make this possible, Barrisol offers more than 130 colours in many finishes such as lacquer, satin, matt, suede, translucent, metallic and woven textures (TrempeDesign® and TrempeVision®). All of these systems can come with or without perforations. Images can also be printed on many of these sheeting systems. All these options are possible for lighted ceilings, lighted walls, case ceilings, 3D lights and 3D light shapes.



GNOSIS Architecture

The printed

Barrisol is printable. It is possible to print all types of images, graphics, photos, logos, etc., on a Barrisol sheet. These pictorial elements can be printed on opaque or translucent sheets that use the light from behind to help accentuate the image. Printed images are also available on ceilings, walls, case ceilings, 3D light and 3D Barrisol shapes.





Design : Francis BILLIET

Light & Color Light

The Barrisol's lighted ceilings, walls, case ceilings, 3D lights and 3D shapes can be animated by changing colour. The light systems used to do this help give the space a rhythm, brighten the atmosphere, attract attention, highlight objects or places and can completely change the mode of any space. These movements of colours across Barrisol creations help architects and designers create the effect they are seeking.



Design : Francis BILLIET

The colour movements of Barrisol creations can also be used in chromotherapy and luminotherapy.

Chromotherapy helps patients to resynchronise their individual biorhythms. This harmonisation utilizes colours and lights to bring a sensation of well-being and relaxation.

As with plants, humans are organisms that need light to help energize us in our daily lives.

The luminotherapy helps promote well-being by countering the effects of a lack of light. Jet lag, weariness, anxiety, depression and insomnia can all be symptoms that your body needs more light.

Barrisol Light and Barrisol Color Light can help recharge you to get the most out of life.



Barrisol, ecology and su

In 2007, Barrisol Normalu SAS celebrated its 40th year. Over the years, Barrisol, the creator of the stretch ceiling industry, has placed innovation at the center of everything it does.

The experience of a leader

The first stretch ceiling was manufactured by Normalu in 1969. The Barrisol Division was created in 1975 to focus on this unique and exciting new product. Today, the entire collection of Barrisol sheets composes over 20 unique systems of stretch ceilings.

Strength of innovation

For Barrisol, utilizing technology to constantly improve its products and processes has allowed it to stay far ahead of the competition.

By helping to establish new industry standards and procedures, Barrisol Normalu continues to reinforce its position as the worldwide leader in the stretch ceiling industry.

Design & Interior Decoration

Ceilings and walls are as important in helping to set the tone for a space as is the layout of the space itself. The potential for ceilings or walls to serve as integral design elements is too often underestimated. Barrisol proposes a diverse palette of more than 120 unique colours.

Choose a texture, finish, printed image, lighting element and your Barrisol ceiling can provide you with almost any look or feel you desire.

The working team, the strength of a group

At Barrisol Normalu, creativity is not the work of only one person. The innovative solutions of the Barrisol Normalu SAS group are the result of a collaborative approach. This collaboration allows our R&D technicians to come up with product innovations and applications that constantly keep Barrisol Normalu at the forefront of the industry.

We are never very far away

The Barrisol network contains 1,200 partners on 5 continents, in more than 110 countries.

“ In order to make the you first need to

This interactive network provides you with creative and technological support of a vast global enterprise combined with the attention and service of a local representative.

Barrisol Normalu SAS considers the impact on the environment in all the decisions it makes. Respect for the environment is one of Barrisol Normalu's core values. An example of Barrisol Normalu's commitment to the environment can be seen in its development to recycled and recyclable products and its corporate culture.

Recycling and environmental preservation

Barrisol sheets are 100% recyclable. After their useful life, Barrisol sheets can be recycled into others products of Barrisol Normalu such as the Thermalu radiant heating system or Barrisol's Recyclable line of sheeting. These products are ideal for any projects attempting to reflect "green design". The perimeter rails and support elements are also 100% recyclable. This effort to protect the environment is critically important when you consider that more than 1 million square meters of stretch ceilings are installed throughout the world each year.



sustainable development

world of tomorrow more beautiful,
work to preserve the world today. ”

Barrisol Normalu's manufacturing process does not require the use of water, which allows it to help conserve this vital, natural resource. In the production of sheets, no CFC's or HCHC's are emitted. There is no cadmium used in the manufacturing process.

Intrinsic qualities

Thanks to the quality and variety of the finishes, Barrisol's stretch ceilings do not need to be painted. This helps to reduce the number of chemicals and solvents used on most construction projects. Barrisol sheets that provide a high degree of reflection, such as Lacquers, can even reduce the number of lights in a space and therefore reduce electrical consumption. Barrisol can be removed and reinstalled whenever access to the area above the ceiling is required. Removal and reinstallation of Barrisol can be done with very little disruption to the owner.

Barrisol stretch ceilings are lightweight (1000 squares meters weigh around 500 kilos including the perimeter rail). Because it is so lightweight, Barrisol also takes far less energy to transport to the jobsite.

Lastly, because each individual Barrisol sheet is custom made for each application Barrisol generates approximately 20 times less waste than conventional ceiling materials.

Social Responsibility & Sustainable Development

In order to limit the amount of waste it produces, Normalu will take back and recycle all Barrisol sheets at the end of their useful life.

The offices of Normalu are equipped with the Thermalu radiant floor heating system to provide its employees a more comfortable working environment. Thermalu, a product of Normalu, was selected over other suppliers because its products contain over 50% recycled content. Normalu also provides car pool vehicles to its employees to help reduce traffic congestion and reduce the emissions of CO².

Normalu's offices are also equipped with photovoltaic and motion sensors that ensure that the lights come on only when needed during daylight hours and turn off automatically at night if no movement is detected in the office.

* See our general terms





Architectes : Studio Arne Quinze



BARRISOL®

2008 Médaille d'Or Barisul Associales Pologne	2008 Prix de Produit Barisul Recycle France	2007 FEDR ARCH 2007 Grand Prix Barisul Lumière Czech Republic	2004 Belgian Building Award Belgium Belgique	2003 SICSI Certificat d'Excellence Canada	2002 Excellence Award 128 Plus Construction USA	2002 AP Prix de l'Innovation Barisul Associales Allemagne	2002 AP Prix de l'Innovation Barisul Lumière Allemagne	2001 FEDR ARCH 2001 Prix de Design Czech Republic	2001 Médaille d'Or Concertum Expo Roumanie	2001 Médaille d'Or Prix du Meilleur Produit Barisul Lumière Pologne	2000 Innovation et Qualité Pologne	2000 Prix Spécial Prix Spécial de Technologie Barisul Star Allemagne	1999 Prix d'Excellence Salon National de l'Industrie Canada	1998 Prix d'Excellence USCA USA
1997 Performance of Quality Canada	1997 Médaille d'Or Barisul Star Chine	1996 Médaille d'Or Barisul Star Chine	1996 Prix de l'Innovation International International Australie	1995 Médaille d'Or du Produit COCHEC 218 Chine	1995 Médaille d'Or du Produit COCHEC 218 Czech Republic	1993 1 ^{er} Prix/Produit et Technologie Prix de l'Innovation Czech Republic	1991 Médaille d'Or Prix de l'Innovation Barisul Star Pologne	1991 Oscar d'Innovation Star Barisul Star	1990 L'Exceptionnel Belgique	1990 Prix Spécial du Jury Thématique Barisul France	1985 Crest Syndicat National des Architectes d'Intérieur	1984 Coupe du Produit d'Excellence France	1983 Livre d'Excellence Industrielle France	1975 Médaille d'Argent pour l'Innovation Bâtiment France



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