



# BARRISOL®

## STRETCH CEILINGS



Stephen PRICE-BATES, Designer Consultants



Architect : Hakan KIRAN



Designer : II by V



Architect: Peter EISENMANN

# TECHNICAL DOCUMENTATION

# **BARRISOL TECHNICAL DOCUMENTATION**

**Welcome to the Barrisol Universe  
The Art of Stretch Ceilings  
introducing Barrisol creations**



**THE QUALITY OF BARRISOL MATERIALS**

**THE EXCELLENCE OF THE STRETCH CEILING SYSTEMS**

**THE MANUFACTURING AND INSTALLATION TECHNIQUES**

**"THE BARRISOL KNOW-HOW"**

**A NATIONAL AND INTERNATIONAL NETWORK OF BARRISOL  
DISTRIBUTORS AT YOUR DISPOSAL**

**ALL CONTRIBUTE TO THE  
BEAUTY OF BARRISOL UNIVERSE CEILINGS**

**WELCOME TO THE WORLD OF BARRISOL****Chapter 1**

Editorial	p 4
List of awards	p 5
Barrisol projects	p 6 & 7
The manufacturer	
Barrisol in France and around the world	p 9
Safety	p 10

**PERIMETER TRACKS AND FINISHES****Chapter 2**

Barrisol components	p 11
Barrisol finishes	p 12 & 13
Technical specifications	p 14
Examples of projects	p 15
Tracks and rails	p 16 to 19

**SELECTING BARRISOL CLASSIC PVC  
AND BARRISOL STAR ALUMINIUM TRACKS****Chapter 3**

Criteria for use	p 20 to 23
Where to use them	p 24 & 25
General installation conditions	p 26

**BARRISOL CLASSIC VISIBLE PVC TRACKS****Chapter 4**

The Barrisol Classic system	p 27
Barrisol Classic tracks	p 28

**BARRISOL STAR SEMI-CONCEALED ALUMINIUM TRACKS****Chapter 5**

The Barrisol Star system	p 29
Barrisol Star tracks	p 30

**BARRISOL CLASSIC AND STAR:  
FIXING DETAILS****Chapter 6**

Cornices and beams	p 31
Around pipes, pillars, columns	p 32
Duo Barrisol Star incorporating logos – design features	p 33
Various types of embedding	p 34
Technical details	p 35

**BARRISOL CLASSIC AND STAR:  
MULTIPLE SLOPES****Chapter 7**

Barrisol Classic sloping ceiling systems	p 36
Barrisol Star sloping ceiling systems	p 37
Stretch ceilings with recesses	p 38

**BARRISOL STAR 3D****Chapter 8**

The Barrisol Star 3D stretch ceiling	p 39
Barrisol Star 3D tracks	p 40

**BARRISOL AND LARGE AREAS****Chapter 9**

Large Barrisol areas	p 41
Barrisol Classic and Barrisol Star separators	p 42
The Barrisol Super Star separator,	
support separators, braid systems	p 43
Light strip separators	p 44
Ceiling installations in large areas	p 45
Design and separators	p 46

**BARRISOL AND LIGHTING****Chapter 10**

Barrisol Universe spots	p 47
Barrisol spot supports	p 48
The Barrispot system	p 49
Barrisol light boxes	p 50
Suspended lighting, light supports,	
optical fibres and mini-spots	p 51
Indirect flood lights	p 52
Simulated glass roof	
Barrisol for all lighting types	p 54
Examples of projects	p 55

**BARRISOL ACOUSTIC****Chapter 11**

Barrisol Microsorber	p 57
Barrisol	p 58
Barrisol Miniperf	p 59

**TECHNICAL SPECIFICATION FOR INVITATION  
TO TENDER****Chapter 12**

Barrisol specification USA	p 60 to 63
Barrisol UK K40	p 64
Barrisol Tiles UK K40	p 65
Barrisol Trempo UK K40	p 66
Barrisol-Microperf UK K40	p 67
Examples of projects	p.68

**PHOTOS OF BARRISOL TRACKS****Chapter 13**

Attachment tracks for Barrisol stretch ceilings	p 69 to 77
---	------------

## EDITORIAL

Some 30 years ago, under the impetus of Jacques Mattern, an architect at Montbéliard, to whom I would like to give homage here, I launched into the great adventure of stretch ceilings. Today, I am delighted and proud that the dynamism set in motion at that time helped us develop, year after year, all the technical progress in stretch ceilings and create a wide range of Barrisol systems which now make up the complete solution.

After being the first to create the M1 (Class 0, Class 1) stretch ceiling, that can be disassembled and reassembled as required, we continued our action based on the principles of safety, performance, technology, efficiency, aesthetics, in the aim of installation quality, resistance and durability, along with customer service and satisfaction.

We have designed products in compliance with safety and environment standards, created and developed a large number of Barrisol stretch ceiling systems, including the renowned Barrisol Star with invisible tracks. We have brought these products to an exceptional technical and aesthetic level.

This enables us to offer architects and designers a wide variety of expressions, so they can incorporate Barrisol in the range of their products, giving superb results. With the Barrisol team, we are delighted to introduce you to Barrisol technology.

Fernand SCHERRER

CEO of NORMALU  
Inventor of BARRISOL

### BARRISOL: QUALITY AT THE SERVICE OF CUSTOMERS

- Using the best products in compliance with the most stringent standards.
- Unique manufacturing quality (over fifteen tests and inspections performed throughout the order processing, production and shipment process).
- Customised manufacturing lead times to meet customers' needs.
- A technical department offering the most suitable solutions, in economical and technical terms.
- An efficient after-sales services.
- A research and development department willing to listen to your needs for all types of refurbishing and new projects.

## THE MOST AWARD-WINNING CEILING IN THE WORLD



**BEST STAND AWARD 2004**  
BATIBOW - BELGIQUE



**INNOVATION PRIZE 2002**  
**ARCHITECTURE + PRESENTATION**  
**BARRISOL-MICROSORBER**  
DUSSELDORF - GERMANY



**AVANT-GARDE PRODUCT 2001**  
PLZEŠ - CZECH REPUBLIC



**BEST PRODUCT AWARD 2001**  
OLSZTYN - POLAND



**PAINTERS ASSOCIATION**  
**INNOVATION + TECHNOLOGY 2000**  
BERLIN - GERMANY



**CONSTRUCTION**  
**EXCELLENCE AWARD 1998**  
CISCA - USA



**HONOURABLE MENTION 1997**  
'97 ESPACIOS - CHILE



**PRIZE FOR INNOVATION 1996**  
INTERBUILD MELBOURNE - AUSTRALIA



**GOLD MEDAL PRODUCT AWARD 1995**  
CONECO '95 - CZECH REPUBLIC



**BRONZE MEDAL FOR**  
**INNOVATION 1991**  
BATIMAT PARIS - FRANCE



**"THE EXCEPTIONAL" AWARD 1990**  
GENEVA - SWITZERLAND



**SNAI OSCAR 1985**  
NATIONAL FEDERATION OF INTERIOR  
ARCHITECTS - FRANCE



**LABEL OF INDUSTRIAL**  
**AESTHETICS 1983**  
FORMES ET INDUSTRIE - FRANCE



**AWARD OF EXCELLENCE 2003**  
INTERNATIONAL INTERIOR DESIGN SHOW  
MONTREAL - CANADA



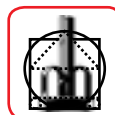
**INNOVATION PRIZE 2002**  
**ARCHITECTURE + TECHNOLOGY**  
**BARRISOL LUMIERE**  
FRANKFURT - GERMANY



**GOLD MEDAL 2001**  
BUCAREST - RUMANIA



**INNOVATION AND QUALITY 2000**  
WARSAW - POLAND



**EXCELLENCE AWARD 1999**  
CANADA



**THE HIGHEST PERFORMANCE**  
**AND QUALITY 1997**  
RENDEZ-VOUS HOTEL-RESTAURANT - CANADA



**GOLD MEDAL 1996**  
DECOR EXPO '96 CHINA



**GOLD MEDAL PRODUCT AWARD 1995**  
CHINA



**FIRST PRIZE FOR PRODUCT**  
**AND TECHNOLOGY 1993**  
ARCH '93 PRAGUE - CZECH REPUBLIC



**SNAI HONORARY OSCAR**  
**BARRISOL STAR 1991**  
NATIONAL FEDERATION OF INTERIOR  
ARCHITECTS - FRANCE



**SPECIAL JURY AWARD FOR**  
**THERMALU-BARRISOL 1990**  
GRENOBLE - FRANCE



**AVANT-GARDE PRODUCT**  
**AWARD 1984**  
FRANCE



**SILVER MEDAL**  
**FOR INNOVATION 1975**  
BATIMAT - FRANCE



# **BARRISOL PRESENTS**

## **20 STRETCH CEILING**

## **STRETCH WALL**

## **STAND ALONE STRETCH STRUCTURE**

## **SYSTEMS**

These systems offer a choice of products adapted to each situation and each design for an aesthetic result.

The technology is tried-and-tested, reliable, in compliance with safety standards; the materials used are of the highest quality, the finishes exact and precise.

### **SYSTEMS**

### **Definition**

#### **BARRISOL CLASSIC**

The ceiling stretched from wall to wall on visible track.

#### **BARRISOL STAR**

The ceiling stretched from wall to wall or ceiling on invisible peripheral track

#### **BARRISOL STAR 3D**

The structured stretch ceiling with 3D architectural lines

#### **BARRISOL LARGE SURFACES**

Visible, flash gap joint, invisible or luminous track separators for the subdivision of large surfaces.

#### **BARRISOL STAR CREAFORM**

Creation of 3D shapes to be integrated into Barrisol ceilings

#### **BARRIMUR STAR WALL**

Creation of stand alone shapes.  
Stretch walls on Barrisol Star wall tracks

#### **BARRISOL STAR MODULAR**

Structure-mounted or suspended self-supporting modular panels, with variable heights and angles



# **BARRISOL SYSTEMS**

(Continued)

## **BARRISOL TREMPO**

Barrisol stretched fabric connected by elastic cord to Barrisol Trempo peripheral tracks.

## **BARRISOL CEILING TILES**

Barrisol stretched fabric in ceiling tile form to be mounted on metal rails

## **BARRISOL SIGN**

For signs on large and middle-sized surfaces.

## **BARRISOL LIGHT**

Light source integration technology in Barrisol stretch ceilings

## **BARRISOL ACOUSTIC**

Barrisol Classic or Barrisol Star stretch ceiling complex combined with a sound absorbing material.

## **BARRISOL THERMAL**

Barrisol Classic or Barrisol Star stretch ceiling complex combined with a heat insulating material

## **BARRISOL AND ASBESTOS**

Special system to confine asbestos in ceilings, with double protection and sealed tracks

## **BARRISOL FIREBREAK**

Barrisol Classic stretch ceiling complex combined with fire-retardant materials.

## **BARRISOL SMOKE CLEARANCE**

36/100 fabric with 10 mm diameter perforations to allow smoke clearance

## **BARRISOL CLEAN ROOMS**

Stretch ceiling system for clean rooms with sealed tracks.

## **BARRISOL SYMA**

Combination of Barrisol Star stretch ceilings and Syma aluminium structures.

## **BARRISOL THERMALU**

Very low voltage backup heating stretch ceilings.

## **BARRISOL PAINTED DECOR**

Painted Barrisol Universe stretch ceilings.  
Painted Decor stretch walls and ceilings.  
Painted Decor light boxes.

## **BARRISOL PRINTED DECOR**

Printed decors on Barrisol fabrics.

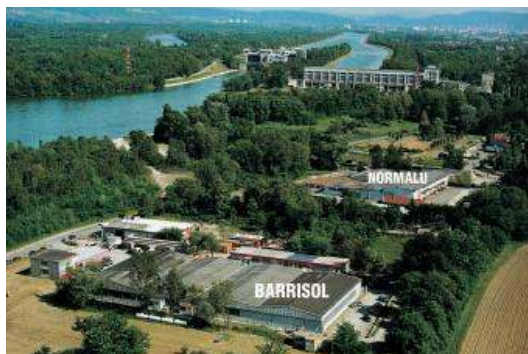
# BARRISOL - normalu S.A.S.



MEMBER OF THE CLUB OF THE WORLD N° 1

No. 150 / 1993

**35 years of experience and innovation at the service of our customers**



- **Date created: 1967**
- **Head office and distribution centre located in Kembs, near Germany and Switzerland, 10 minutes from the international Basel-Mulhouse-Freiburg**
- **Turnover: 18 million Euro/year**
- **150 employees**
- **CEO: Fernand Scherrer**

## ACTIVITIES:

- **BARRISOL – Stretch Ceilings**

**World leader in stretch ceilings**, exclusive licensee for the BARRISOL brand and range of products

**Manufacturer of Barrisol Universe stretch ceilings:** Barrisol Classic, Barrisol Star, Barrisol Creaform, Barrisol Trempo, Barrisol Ceiling Tiles, Barrisol Wall, Barrisol Modular, Barrisol Sign

- **SYMA - SYSTEM**

**Range of anodised or lacquered aluminium rails.**

**Manufacturer of removable partitions**, exhibition stands, interior booths for museums and shops, interior fittings, machine cowling.

Exclusive French licensee for the SYMA brand and patents.

- **NORMARIDO – Manufacturer of separating curtains** for sports halls.

## PRODUCTION SITES: 17 500 m<sup>2</sup>:

- Kembs: Normalu I ~ 26 000 m<sup>2</sup> (60,000 sqft) including: ~ 4 500 m<sup>2</sup> (45,000 sqft) - BARRISOL, ~ 400 m<sup>2</sup> (4,000 sqft) - training facility ~ 800 m<sup>2</sup> (8,000 sqft) - offices  
Normalu II ~ 3 500 m<sup>2</sup> (35,000 sqft) - SYMA aluminium
- Ste Marie aux Mines: ~ 4 000 m<sup>2</sup> (40,000 sqft) - BARRISOL - woodwork
- Colmar : ~ 4 000 m<sup>2</sup> (40,000 sqft) - BARRISOL Stands

## SALES:

- Kembs: licensing
  - French sales network
  - International sales network
- Bagneux : ~ 1 600 m<sup>2</sup> (16,000 sqft) including: ~ 400 m<sup>2</sup> (4,000 sqft) of offices  
~ 400 m<sup>2</sup> (4,000 sqft) of showrooms ~ 600 m<sup>2</sup> (6,000 sqft) of workshops  
~ 200 m<sup>2</sup> (2,000 sqft) of technical, sales and computer training

## FILIALES :

- THERMALU SARL: ~ 4 500 m<sup>2</sup> (45,000 sqft) - very low voltage backup heating for floors and ceilings
- NORMALU EXPO: Events organisation Salon Energie Habitat: 300 exhibitors  
Salon Habitat Décoration: 150 exhibitors

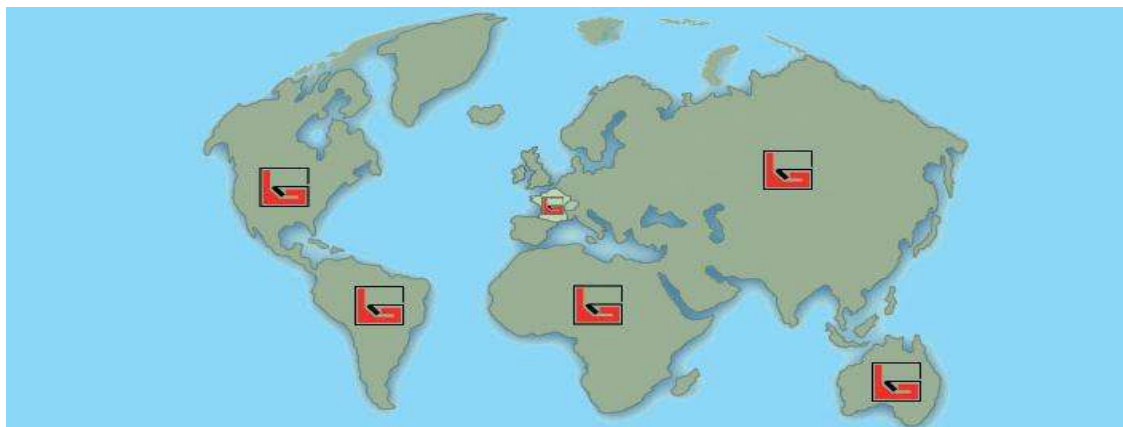
Limited company with a capital of 1,000,000 € – R.C. Mulhouse 67 B 63 – Siret 946 750 635 00017 – Court of jurisdiction Mulhouse





# **BARRISOL**

## **PRESENT ON 5 CONTINENTS**



**Worldwide: a network of 1200 approved installation specialists**

- ▣ **Present:**
  - in all the countries of the European Union
  - in over 80 countries world-wide
- ▣ **over 25 000 000 sqm<sup>2</sup> 250,000,000 sqft of BARRISOL ceilings installed around the world by approved companies:**

ALBANIA  
ANDORRA  
ARGENTINA  
AUSTRALIA  
AUSTRIA  
AZERBAIJAN  
BELGIUM  
BENIN  
BOSNIA  
BRAZIL  
BULGARIA  
CAMEROUN  
CHILE  
CHINA  
COLOMBIA  
COSTA RICA  
CROATIA  
CUBA  
CYPRUS  
CZECH REPUBLIC  
DENMARK  
DOMINICAN  
REPUBLIC  
ECUADOR

EGYPT  
ESTONIA  
FINLAND  
FRANCE  
FRENCH OVERSEAS  
DEPARTMENTS AND  
TERRITORIES  
GEORGIA  
GERMANY  
GREAT BRITAIN  
GREECE  
HONG KONG  
HUNGARY  
ICELAND  
INDIA  
IRAN  
IRELAND  
ISRAEL  
ITALY  
JAPAN  
KAZAKHSTAN  
KIRGHIZISTAN  
KOSOVO  
KUWAIT

LATVIA  
LEBANON  
LIECHTENSTEIN  
LITHUANIA  
LUXEMBOURG  
MACEDONIA  
MALAYSIA  
MALTA  
MAURITIUS  
MEXICO  
MOLDAVIA  
MOROCCO  
NETHERLANDS  
NEW CALEDONIA  
NEW ZEALAND  
PANAMA  
POLAND  
PORTUGAL  
REPUBLIC OF  
BYELORUSSIA  
RUMANIA  
RUSSIA  
SAUDI ARABIA  
SENEGAL

SINGAPORE  
SLOVAKIA  
SLOVENIA  
SOUTH AFRICA  
SOUTH KOREA  
SPAIN  
SWITZERLAND  
TAIWAN  
THAILAND  
TOGO  
TUNISIA  
TURKEY  
UKRAINE  
UNITED ARAB  
EMIRATES  
UNITED STATES  
VATICAN  
VENEZUELA  
YUGOSLAVIA  
Etc.

## BARRISOL MEETS SAFETY STANDARDS

**Barrisol creations always have one primary objective: safety.**

**This requirement based on technological progress is confirmed by tests, certifications and authorisations from official French and international organisations.**

<b>FIRE CLASSIFICATION</b>	<ul style="list-style-type: none"> <li>□ Barrisol meets current international standards.</li> <li>□ Barrisol stretched fabrics: M1 in France (Paris Police Laboratory classification) – M1 in Belgium – B1 in Germany – Class 1 in Canada, USA, Italy – Class 0 in Great Britain.</li> <li>□ Peripheral tracks, cornices: PVC M1 – M0 aluminium</li> <li>□ Barrisol accessories: meet legal safety standards in the plenum: M0 and M1 classification</li> </ul>
<b>NON-TOXICITY</b>	<ul style="list-style-type: none"> <li>□ Barrisol's non-toxicity is confirmed by international tests: <ul style="list-style-type: none"> <li>- United States Testing Company Inc Biological Services Division</li> <li>- International Maritime Organisation (IMO)</li> </ul> </li> </ul>
<b>PUBLIC BUILDINGS</b>	<ul style="list-style-type: none"> <li>□ The French Ministry of the Interior has approved Barrisol in buildings receiving the public following tests conducted by the competent authorities</li> <li>□ Meets applicable standards in different countries</li> </ul>
<b>SPRINKLERS</b>	<ul style="list-style-type: none"> <li>□ Sprinklers can be built into Barrisol ceilings using suitable techniques according to applicable standards</li> <li>□ Barrisol Modular ceilings allow sprinkler openings for large surfaces</li> </ul>
<b>IN COMPLEX</b>	<ul style="list-style-type: none"> <li>□ Barrisol can be used in a fire-break complex with suitable materials.</li> </ul>
<b>SMOKE CLEARANCE</b>	<ul style="list-style-type: none"> <li>□ Barrisol fabric for smoke clearance, with 10 mm diameter perforations, is available in 36 colours.</li> </ul>
<b>SAFETY DEVICES</b>	<ul style="list-style-type: none"> <li>□ Remote surveillance cameras, emergency illumination and signage and all types of technical devices can be incorporated in Barrisol ceilings and walls using Barrisol techniques.</li> </ul>
<b>WATER DAMAGE</b>	<ul style="list-style-type: none"> <li>□ Barrisol is impermeable and helps prevent or minimise water damage.</li> </ul>
<b>MARINE</b>	<ul style="list-style-type: none"> <li>□ Barrisol is approved by Lloyds International.</li> </ul>
<b>FOOD HYGIENE</b>	<ul style="list-style-type: none"> <li>□ The National Centre for Veterinary and Food Studies of the French Ministry of Agriculture certifies that Barrisol complies with food hygiene requirements.</li> <li>□ The British Royal Health and Safety Institute certifies, after tests, that Barrisol meets hygiene standards perfectly.</li> <li>□ Greenall Food, a microbiology consultant, reported that after sterilisation Barrisol does not show bacterial growth.</li> </ul>
<b>FUNGICIDAL</b>	<ul style="list-style-type: none"> <li>□ By nature, Barrisol does not develop moulds or fungi.</li> </ul>
<b>SOUND-PROOFING</b>	<ul style="list-style-type: none"> <li>□ Soundproofing standard NF S31-003.</li> <li>□ Qualibat qualification No. 7152</li> <li>□ Barrisol Acoustic complies with the technical recommendations of the French Ministry of Education for classrooms (APAVE Alsace)</li> <li>□ Absorption coefficient determined by the CSTB</li> </ul>
<b>GUARANTEE</b>	<ul style="list-style-type: none"> <li>□ Barrisol: 10-year manufacturer guarantee against all strip and harpoon seam manufacturing defects.</li> </ul>
<b>DURABILITY AND STABILITY</b>	<ul style="list-style-type: none"> <li>□ 30 years of experience demonstrate the high resistance of Barrisol ceilings which stay stretched and stable over time.</li> </ul>



# **FABRICS AND TRACKS FOR BARRISOL UNIVERSE STRETCH CEILING SYSTEMS**

**HIGH-QUALITY MATERIALS  
OFFERING ADVANCED TECHNICAL PERFORMANCES,  
CREATED FOR BARRISOL, MEETING BARRISOL  
SAFETY, PERFORMANCE AND AESTHETIC CRITERIA**



## **BARRISOL FABRICS**

M1 copolymer  
cadmium-free  
impermeable to water  
shape and tension-retentive molecules  
seams guaranteed 10 years  
impermeable to fibres  
impermeable to dust  
return to their initial shape  
after distortion  
(e.g. water damage)

non-toxic  
robust  
recyclable  
hygienic  
fungicidal  
sterilisable  
insensitive to radiation  
washable in 5 textures  
allow disassembly and reassembly  
as required

## THE BARRISOL RANGE

COULEURS  
CLASSEMENT  
M1

COLOURS  
CLASS 1 IN USA  
CLASS 0 IN UK

FARBEN  
KLASSE B1

COLORES  
CLASSE M1

CORES  
CLASSE M1

COLORI  
CLASSE 1



LES LAQUES - THE LACQUERS - DIE LACKDECKEN  
LOS LACADOS - OS LACADOS - I LACCATI

18/100

02012	Gris clématite
02016	Gris ombelle
02014	Gris jasmin
02011	Blanc lys
02024	Jaune réséda
02015	Beige arum
02013	Beige magnolia
02021	Beige dactyle
02032	Brun roseaux
02033	Brun noisetier
02031	Brun pomme de pin
02041	Noir tulipe
02081	Bordeaux pivoine
02083	Rouge coquelicot
02082	Rouge capucine
02051	Orange coulouma
02022	Jaune jonquille
02023	Jaune primevère

02053	Pêche angélique
02092	Rose camélia
02091	Rose azalée
02090	Rose fushia
02050	Mauve iris
02076	Bleu belle de nuit
02075	Bleu campanule
02073	Bleu bleuet
02072	Bleu gentiane
02074	Bleu pervenche
02052	Mauve aster
02065	Vert amandine
02071	Bleu myosotis
02064	Vert amarante
02066	Vert lauriers
02062	Vert houx
02061	Vert gui
02063	Vert verveine

033	Microperf Ø 0,1 mm 36 couleurs
036	Microacoustic Ø 0,2 mm 36 couleurs
031	Mediperf Ø 1 mm 72 couleurs
032	Mezzoperf Ø 1 mm 72 couleurs
034	Maxiperf Ø 4 mm 36 couleurs
035	Megaperf Ø 4 mm 36 couleurs

## SPECIAL FABRICS

EXTRA MATT  
Matt white  
Réf. 08R110

NON STATIC  
Lacquered white  
Réf. 08S211

EXTRA RESISTANT  
Matt white  
Réf. 08E110





### LES SATINES - THE SATINS - DIE SATINIERTEN LOS SATINADOS - OS ACETINADOS - I SATINATI

18/100

07083	Brique galapagos
07082	Orange bornéo
07081	Orange sumatra
07024	Orange bali
07023	Orange java
07022	Orange flores
07033	Orange bahamas
07019	Beige seychelles
07095	Gris hawaii
07090	Rose désirade
07091	Rose marie galante
07093	Rose tahiti
07094	Rose marquise
07092	Rose baléares

07075	Bleu fidji
07074	Bleu cortou
07073	Bleu midway
07072	Bleu mayotte
07064	Vert bermudes
07063	Vert antilles
07071	Vert canaries
07062	Vert açores
07061	Bleu palmyre
07015	Gris comores
07021	Gris ceylan
07011	Jaune rhodes
07010	Ivoire wight
07017	Blanc livingstone
07018	Gris célébes

033	Microperf	Ø 0,1 mm	36 couleurs
036	Microacoustic	Ø 0,2 mm	36 couleurs
031	Mediperf	Ø 1 mm	72 couleurs
032	Mezzoperf	Ø 1 mm	72 couleurs

### LES SATINES - THE SATINS - DIE SATINIERTEN LOS SATINADOS - OS ACETINADOS - I SATINATI

36/100

02012	Gris clématite
02016	Gris ombelle
02014	Gris jasmin
02011	Blanc lys
02024	Jaune réséda
02015	Jaune arum
02013	Beige magnolia
02021	Beige dactyle
02032	Brun roseaux
02033	Brun noisetier
02031	Brun pomme de pin
02041	Noir tulipe
02081	Bordeaux pivoine
02083	Rouge coquelicot
02082	Rouge capucine
02051	Orange coulouma
02022	Orange jonquille
02023	Jaune primevère

02053	Pêche angélique
02092	Rose camélia
02091	Rose azalée
02090	Rose fushia
02050	Mauve iris
02076	Bleu belle de nuit
02075	Bleu campanule
02073	Bleu bleuet
02072	Bleu gentiane
02074	Bleu pervenche
02052	Mauve aster
02065	Vert amandine
02071	Vert myosotis
02064	Bleu amarante
02066	Vert lauriers
02062	Vert houx
02061	Vert gui
02063	Vert verveine

033	Microperf	Ø 0,1 mm	36 couleurs
037	Miniperf	Ø 0,5 mm	36 couleurs
035	Megaperf	Ø 4 mm	36 couleurs
034	Maxiperf	Ø 4 mm	36 couleurs
039	Gigaperf	Ø 10 mm	36 couleurs



**LES MATS - THE MATTS - DIE MATTEN DECKEN**  
**LOS MATES - OS MATES - GLI OPACHI**

18/100

	01016	Gris clair
	01010	Blanc
	01011	Ivoire
	01020	Beige
	01030	Brun foncé
	01040	Noir



Architecte : GEISENDÖRFER

	033	Microperf	36 couleurs
	Ø 0,1 mm		
	036	Microacoustic	36 couleurs
	Ø 0,2 mm		
	037	Miniperf	36 couleurs
	Ø 0,5 mm		
	031	Mediperf	72 couleurs
	Ø 1 mm		
	032	Mezzoperf	72 couleurs
	Ø 1 mm		
	034	Maxiperf	36 couleurs
	Ø 4 mm		
	035	Megaperf	36 couleurs
	Ø 4 mm		

**LES DAIMS - THE BRUSHED SUEDES - DIE BEFLOCKTEN DECKEN**  
**LOS ANTES - AS CAMURÇAS - I DAINI**

18/100

	05085	Bordeaux ambiance
	05083	Rouge passion
	05084	Rouille confort
	05086	Rose charme
	05115	Gris raffinement
	05116	Lilas cocooning
	05088	Gris intimité
	05116	Gris ciel bien-être
	05071	Bleu ciel bien-être
	05073	Bleu marine nirvana
	05074	Bleu marine rêverie
	05041	Noir design

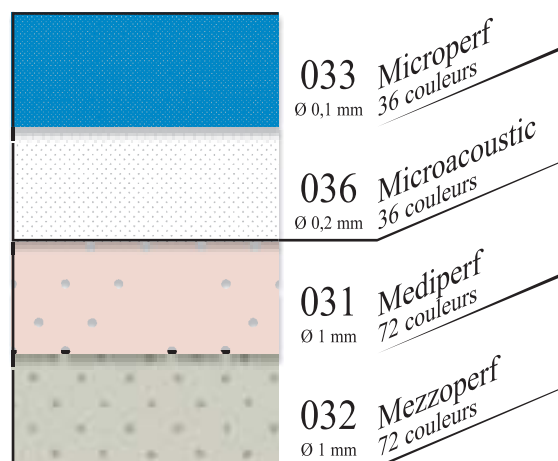
	05034	Brun décoration
	05032	Brun sérénité
	05055	Beige foncé évasion
	05024	Beige élégance
	05054	Or standing
	05154	Coquille douceur
	05114	Lin harmonie
	05056	Vert pastel détente
	05064	Vert style
	05062	Vert relaxation
	05021	Jaune douillet

	031	Mediperf	72 couleurs
	Ø 1 mm		
	032	Mezzoperf	72 couleurs
	Ø 1 mm		

LES TRANSLUCIDES - THE TRANLUCENTS - DIE TRANSLUZIDEN  
LOS TRANSLUCIDOS - AS TRANSLUCIDAS - I TRASLICIDI

18/100

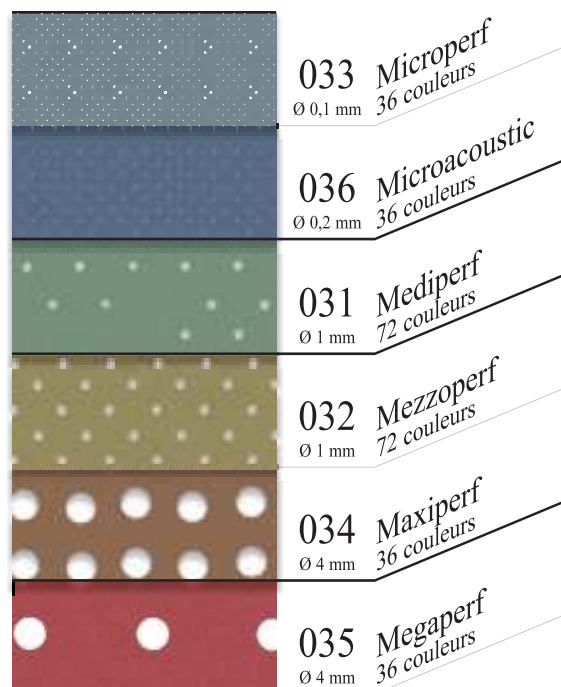
	04072	Planète bleue
	04011	Blanc Vénus
	04013	Clair de lune
	04015	Mercurure
	04073	Neptune



LES METALS - THE METALLICS - DIE METALLDECKEN  
LOS METALICOS - OS METAIS - I METALLI

18/100

	06023	Argenté
	06010	Fleur de métal
	06070	Vert métal
	06020	Laiton
	06022	Doré
	06021	Bronze
	06090	Rose métal



## TECHNICAL SPECIFICATIONS FOR BARRISOL FABRICS

Specially designed to meet Barrisol universe ceiling and wall requirements.

**Definition:**

- high-performance flexible panel, flame-retarded throughout
- guaranteed cadmium-free polyvinyl chloride-based copolymer

**Reaction with fire:** - naturally non-flammable, M1 classification

**Resistance:**

- resists: water and damp, seawater, copper salt solutions, X-rays.
- resists at a maximum concentration of 15%: sulphuric acid, nitric acid
- resists at a maximum concentration of 10%: soda lye

**Hygiene:** - non-toxic, naturally fungicidal, sterilisable, washable

**Dimensions – weight:**

Fabric texture	Panel thickness	Weight
Matt – lacquered – satin – metallic – perforated - translucent	≈ 18/100 mm	≈ 180 g/sqm ≈ 18 g/sqft
Brushed suede - perforated	≈ 36/100 mm	≈ 320 g/sqm ≈ 32 g/sqft

- dimensional stability: -15°C to +45°C

**Hygrometry: Permeability to water vapour**

for hygrometric degree < 65% RH = 0.0030 g/hr sqm mm Hg  
for hygrometric degree > 65% RH = 0.0045 g/hr sqm mm Hg

In view of the results of these measurements, the fabric may be considered to be a very effective impermeable barrier to water

**Heat conductivity coefficient:** 0.16 x cal/m H°C

**Heat coefficient K** with 3 cm air gap + 4.5 cm glass wool insulating materials: K = 0.785

**Mechanical characteristics:**

Strength	Longitudinal	Transversal
<b>Tear strength</b>	196.50 kg/sqcm or 2788.34 lb/in <sup>2</sup>	220.80 kg/sqcm or 3133.15 lb/in <sup>2</sup>
<b>Elongation at rupture</b>	231 %	309 %
<b>Tensile strength and elongation at rupture (ISO weight standard)</b>	S = 1,60 dN E = 170 %	S = 2,00 dN E = 255 %

**Reflexion and light transmission characteristics of the sheet**

Fabrics	% reflection	% transmission
02011 Blanc lys laqué	≈ 78,8	≈ 9,6
01010 Blanc mat	≈ 81	≈ 9,8
02073 Bleu bleuet laqué	≈ 10	≈ 0,1
04013 Translucide clair de lune	≈ 43,8	≈ 72

**Material retention:** Shape-retentive molecules

**Fabric recycling:** 100% recyclable, respecting the environment



## EXAMPLES OF PROJECTS



Architects: Marek Deyl, Jan Sestak



Creation André Dillmann



AXE Architecture



Architect: Hakan Kiran



Produced by Collin



Kay Elliott Architects



Design: Demeester & Berteloot



Architects: Belael + Van De Loock  
Design: Francis Billiet



Architect: Arrowstreet



Design: Francis Billiet



Blaser + Morath, Mr Frigerio

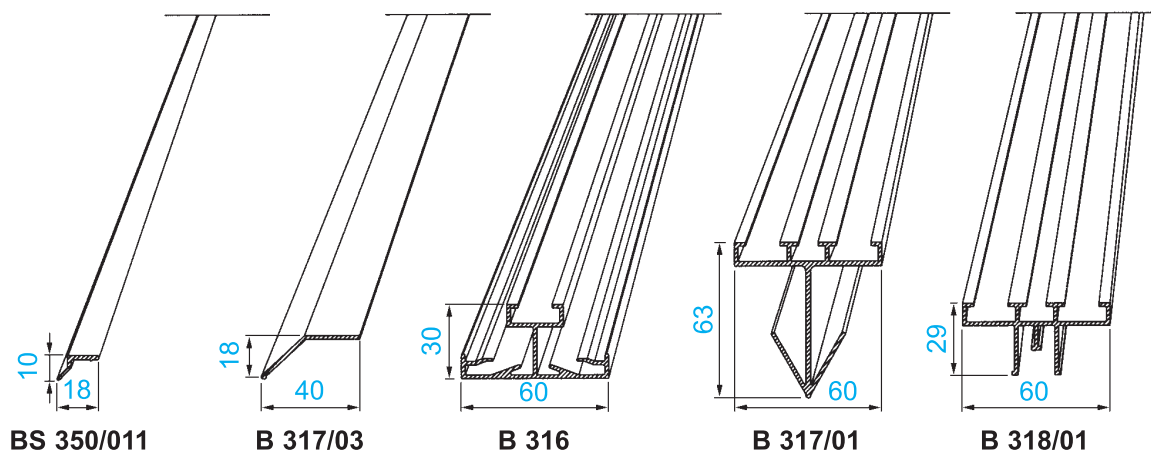
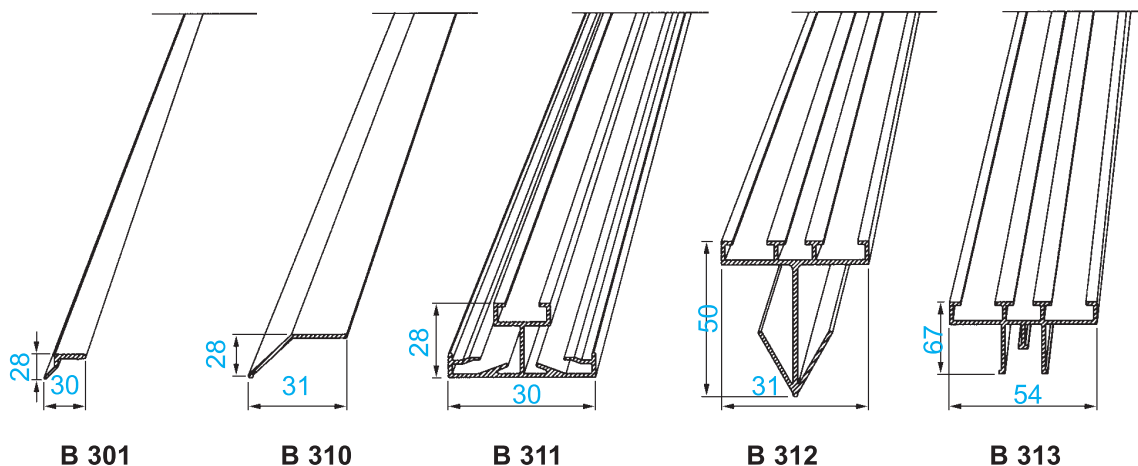


Architect: Hakan Kiran

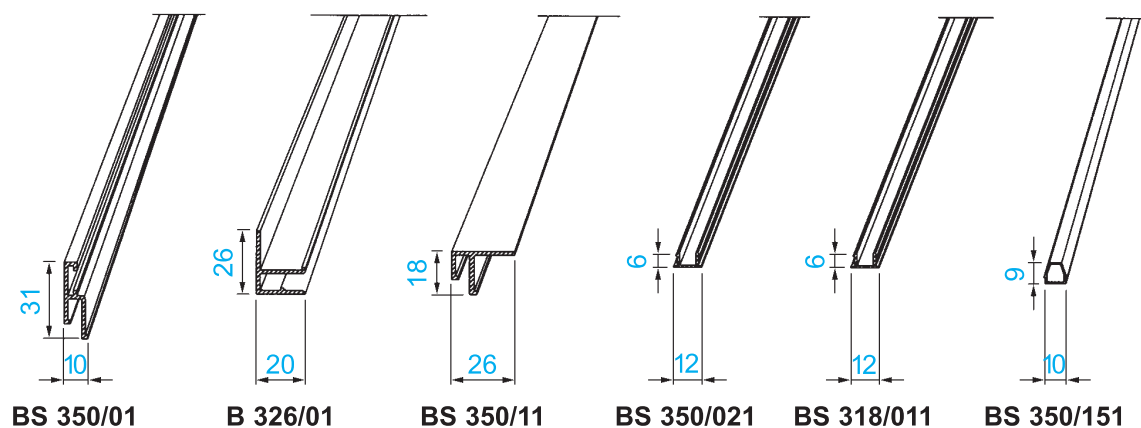


**PATENTED TRACKS AND RAILS**  
(ALL MEASUREMENTS ARE IN MILLIMETERS)

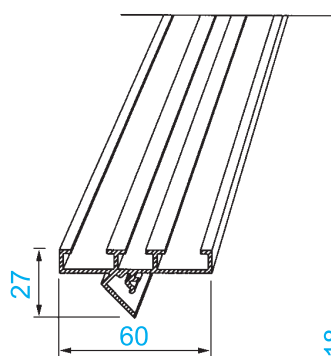
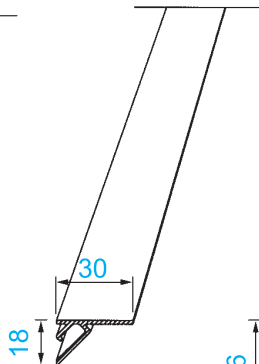
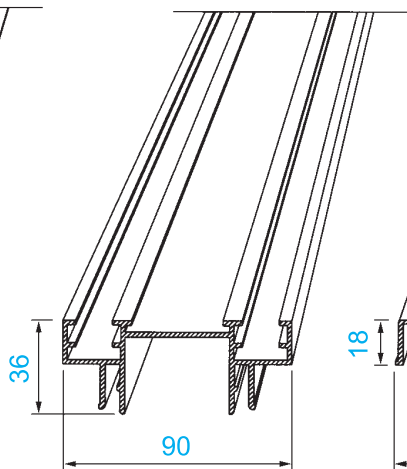
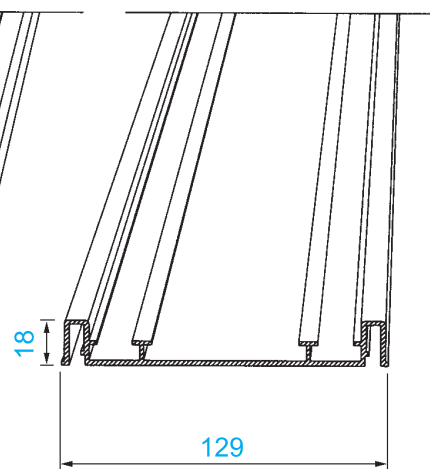
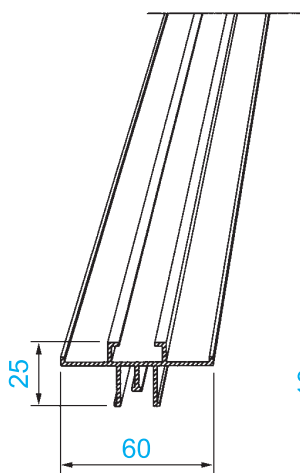
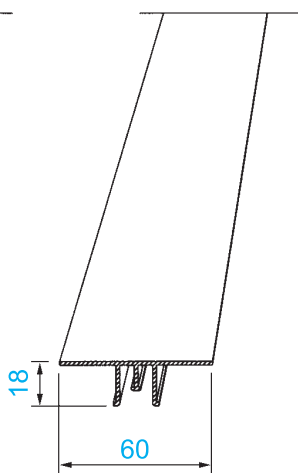
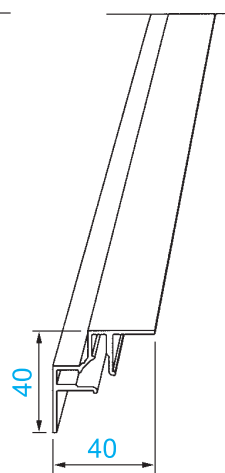
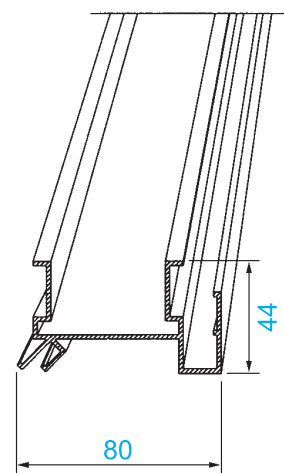
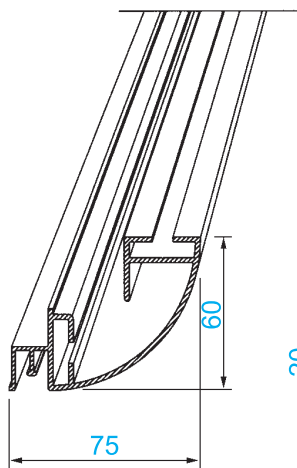
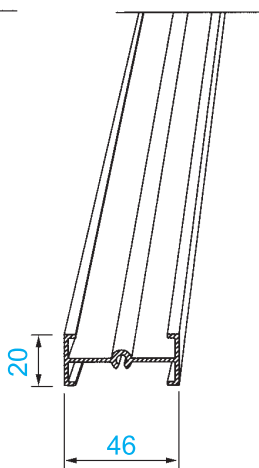
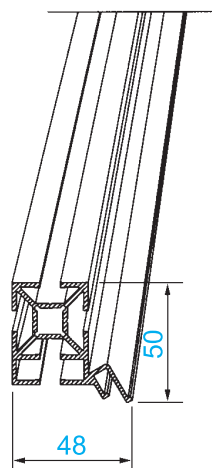
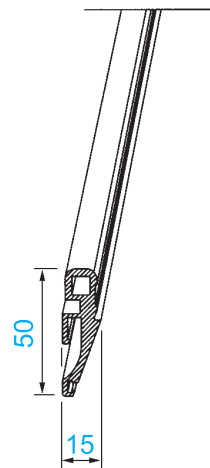
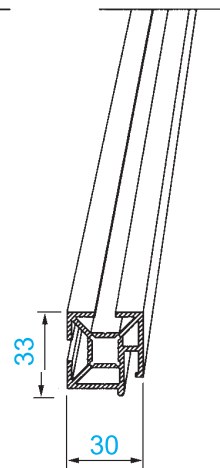
**BARRISOL CLASSIC TRACKS AND RAILS**



**BARRISOL STAR TRACKS AND RAILS**





**BS 350/201****BS 350/202****BS 350/19****BS 350/18****BS 350/02****BS 350/16****BS 350/15****BS 355/01****BS 350/165****BS 355/03****BS 355/04****BS 355/05****BS 355/06**



## **BARRISOL CLASSIC AND BARRISOL STAR**

### **WHY USE THEM?**

IN NEW BUILDINGS OR FOR REFURBISHING PURPOSES, BARRISOL OFFERS AN EXCELLENT SOLUTION FOR TECHNICAL PROBLEMS AND A REMARKABLY AESTHETIC RESULT.

CUSTOM-MADE, BARRISOL CAN BE ADAPTED TO ANY SURFACE, ANY SHAPE, ANY SITUATION, ANY PLACE.

IN ADDITION, BARRISOL WHEN INCORPORATED INTO THE ARCHITECTURE, MEETS THE WELL-BEING NEEDS EXPECTED FROM ADVANCED TECHNOLOGICAL MATERIALS AND OFFER QUALITIES FOR EACH CRITERIA FOR USE.



### **COMFORT**

- Improve the thermal and acoustic comfort of buildings.
- Aesthetic comfort: clean, beautiful ceilings.
- Pleasant rooms, new sense of well-being.
- The lacquered version gives an impression of space and luminosity.



### **DECOR**

- Can be incorporated into or combined with decors, enhancing them.
- Can be adapted to any style, any living space through the range of textures and colours.
- 95 colours available for plain textures, 5 perforated variations.
- Lacquered version reflects decors.
- Multi-colours are available in any shape or size.
- Painted or printed wall and ceiling decors.



### **DESIGN**

- Creative scope.
- Wide variety of possible designs with Barrisol Classic
- Infinite design possibilities with Barrisol Star.
- Can be adapted to any surface, shape, situation or place.
- Allow all types of shapes: horizontal, rounded, angled, 3D.
- Completely new designs produced.



### **LIGHTING**

- Benefit from Barrisol techniques to incorporate all types of lighting.
- Incorporate suspended or built-in lighting, spots, optical fibres.
- On large surfaces, lighting strips act as separators.
- Light separators or rails can be incorporated into Barrisol Star separators.
- Translucent ceilings and walls diffuse light.
- Lacquered fabrics propagate light through reflection.

**ENVIRONMENT**

- Protect the environment – low energy consumption.
- $2\ 1000\ m^2$  - sqft 10,000 sqft of Barrisol represents < 180 kg- 360 lb of material for a  $2\ 0,10\ m^3$  - 3,53 sq<sup>3</sup> volume. (A wooden ceiling of the same size represents  $2\ 50\ m^3$  - 1765 sq<sup>3</sup> of planted wood).
- Long service life.
- 100% recyclable.



**SAVINGS**

- Guaranteed by the manufacturer for 10 years against manufacturing defects: harpoon and strip seams.
- Excellent value for money, durable installation.
- Easy to maintain.
- Protects frames, concrete or steel structures, roofing soffits.
- Offer dual energy savings: decrease in volume to be heated, reduction in heat losses.



**MAINTENANCE**

- Ceiling can be disassembled at any time in a matter of minutes.
- Easy access to plenum in the event of water damage, repair work on technical equipment, and return to original shape.
- Can be cleaned with suitable Barrisol products (except brushed suede).
- New light systems and technical equipment can always be installed in conjunction by the Barrisol approved installation specialist.



**AESTHETICS**

- Superb, exceptional finish.
- Enhance new or refurbished buildings.
- Provide an aesthetic solution for all technical problems.
- Pure lines and shapes contribute to the aesthetic result.
- The choice of colours allows attractive designs.
- Offer all the assets required to give a sense of beauty and harmony.



**WATERPROOF**

- Insensitive to damp, condensation, effective vapour barrier.
- Suitable for buildings with high relative humidity levels.
- Most textures are washable with water.
- Impermeable to water. They have often protected rooms in the event of water damage by forming a retention pouch in the event of water infiltration and returning to their initial shape after draining.



**HYGIENE**

- Several textures washable with suitable products.
- Washable with water hose in some cases.
- Retain dust from plenum. Prevent ceiling fibres from being suspended in air.
- Guaranteed free of cadmium and solvent releases.
- Fungicidal, with no mould growth.
- Non-toxic (in compliance with European and international standards).





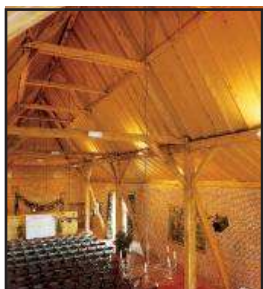
### INNOVATIVE

- Benefit from continuous technical and decorative progress
- Extend their applications to new sectors, create suitable techniques.
- Allow innovative designs, increasing creative scope.
- Can be used for any new project.



### INSTALLATION

- Installed by Barrisol approved professionals.
- Tracks are secured at the desired height on the wall perimeter.
- The ceilings, custom-made in the factory, are stretched when hot and inserted into the tracks.
- Quick installations, producing no debris, reducing room immobilisation time.



### SOUNDPROOFING

- Create a softer atmosphere due to the air lock in the plenum.
- Barrisol Acoustic can be combined with insulating materials for good room acoustic correction.
- High-performance acoustic correction tests in school buildings.
- Finer musical effect.
- Optimal office soundproofing.



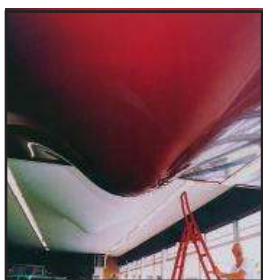
### HEAT INSULATION

- With the hollow ceiling or high floor, Barrisol creates an air lock.
- The air lock, similar to double glazing, forms an insulating buffer and prevents condensation formation on the Barrisol fabric.
- Reduces heat loss from attic floors.
- Decreases volumes to be heated through easy installation at the desired height.
- Can be combined with heat insulation for excellent results.



### DURABILITY

- Barrisol durability is certified by satisfied customers for the last 30 years.
- No loss of technical characteristics over time.
- Stay constantly stretched.
- Retain shapes.
- Keeps the beautiful lines under normal conditions of use.



### RETENTION

- Composed of retentive molecules.
- After distortion, return to the initial shape and tension.
- Returns to the initial shape after each reassembly.
- Absorb ball impacts and retrieve their tension.
- Will retrieve their position after removal of debris from the plenum.
- Will retrieve the tension after water damage is drained.



**REFURBISHING**

- Allow new creations when refurbishing, elegant compositions, aesthetic results.
- Quick installation, furniture does not need to be moved.
- Offer solutions for faulty ceiling problems using suitable techniques.
- Can be installed under faulty ceilings, retaining detachable fibres.
- Can be fitted in attics, refurbish damp rooms.



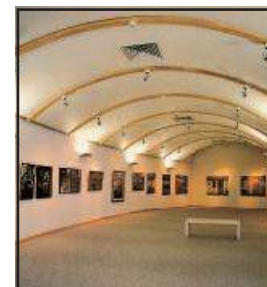
**RESISTANCE**

- Cold and heat-resistant.
- Tension is maintained constantly.
- Resist seawater, chlorine, most gaseous vapours such as formol, ether, trichlorethylene, etc.
- Insensitive to X-rays.
- Withstand significant loads caused by water damage.



**SAFETY**

- Firebreak ceilings (in complex), incorporate all safety devices.
- Meet safety requirements – M1 classification in France and other classifications abroad.
- Subject to approvals from the Ministry of the Interior in France and safety and hygiene organisations in France and many other countries.
- Due to their low weight, they do not cause injury in the event of explosions or earthquakes.



**STABILITY**

- Techniques devised for installation stability.
- Special techniques for large surfaces.
- Techniques for sloping ceiling stability
- Very high ceiling stability.
- Stability of equipment installed in ceilings.
- Thermally stable from -40 to +50°C, no visible change in appearance.



**TECHNICAL ASPECTS**

- Provide a suitable solution for each technical problem.
- Compensate for design defects and visible malformations in slabs.
- Prevent cutting apertures, since electric cables can be placed in the plenum.
- Do not overload frames.
- Prevent thermal bridges.



**VOLUMES**

- Lacquered versions increase volumes visually.
- The Barrisol Star 3D challenge: Barrisol Star 3D is stretched and sculptured in 3 dimensions.
- Barrisol Star refurbishes 3 ceilings in 3 dimensions, respecting the architecture.
- Barrisol Creaform creates volumes in Barrisol Star 3D on aluminium structures.
- Barrisol Creaform can be incorporated into Barrisol Star ceilings.
- Create a wide range of infinitely original decors.





**BARRISOL  
CLASSIC**
**BARRISOL  
STAR**

## ADVANTAGES FOR EACH LOCATION

	AIRPORTS	FOOD INDUSTRY	APARTMENTS	AMPHITHEATRES	BANKS	MARINE	OFFICES	CANTEENS	CASINOS, CINEMAS	LEISURE CENTRES	MEDICAL CENTRES	SPORTS CENTRES	SHOPS	CAR DEALERSHIPS	INFANT SCHOOLS
1 Soundproofing	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
2 Approved for use with food		♦						♦							
3 Projected asbestos: (confinement)*	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
4 Non-reflecting (brushed suede, matt, satin)					♦										
5 Reinforced anti-static / Ref. 08S211		♦									♦				
6 Built-in technical equipment possible	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
7 Hides existing ceiling defects	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
8 Radiating heating through ceiling	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
9 Condensation eliminated	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
10 Complies with applicable regulations	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
11 Decontamination possible (except brushed suede)											♦				
12 Disassembly and reassembly possible	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
13 Smoke clearance	♦	♦		♦	♦	♦			♦	♦	♦	♦	♦	♦	♦
14 Energy savings	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
15 Elasticity	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
16 Waterproof, impermeable	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
17 Guaranteed 10 years	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
18 Guaranteed crack and spectrum-free	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
19 Damp: insensitive	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
20 Hygiene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
21 Absorbs impacts from balls										♦		♦			
22 Non-flammable	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
23 Acoustic insulation possible	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
24 Sound insulation possible	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
25 Washable in matt – satin – lacquered	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
26 Dust barrier	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
27 Light weight, safe	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
28 Installation possible without interrupting activity	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
29 Quick, clean, well-finished installation	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
30 Improved sales environments presentation		♦			♦										
31 Cleanliness	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
32 X-rays (insensitive)											♦			♦	
33 Thermal stability	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
34 Stable over time	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
35 Room surveillance by means of lacquer effect													♦		
36 Variety of shapes, colours	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
37 Reduced volumes to be heated	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦

\* According to current legislation



	PRIMARY AND SECONDARY SCHOOLS	ELECTRICITY, RAILWAYS, POST OFFICES	LARGE SURFACES	SOCIAL HOUSING	HOSPITALS	HOTELS-RESTAURANTS	INDUSTRY	COMPUTER ROOMS	LABORATORIES	PLACES OF WORSHIP	MUNICIPAL BUILDINGS	PRIVATE RESIDENCES	MUSEUMS	SWIMMING POOLS	PHARMACEUTICAL PRODUCTION	REFURBISHING	MUSIC ROOMS	PHOTOGRAPHY ROOMS	COMMUNITY HALLS	SPORTS HALLS	CONFERENCE ROOMS	HAIRDRESSING SALONS	THALASSOTHERAPY	UNIVERSITIES
1	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
2			♦																					
3	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
4									♦									♦						
5							♦	♦	♦						♦									
6	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
7	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
8	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
9	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
10	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
11					♦																			
12	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦		♦	♦
13	♦		♦		♦	♦	♦		♦		♦		♦		♦				♦		♦		♦	♦
14	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
15	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
16	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
17	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
18	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
19	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
20	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
21																				♦				
22	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
23	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
24	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
25	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
26	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
27	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
28	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
29	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
30																								
31	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
32					♦				♦															
33	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
34	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
35																								
36	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
37	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦

## GENERAL INSTALLATION CONDITIONS

### FOR BARRISOL STRETCH CEILINGS

In buildings under construction, ceilings can be installed only in buildings protected from air, water and dust.

The plenum should be 100% airtight.

The insulating materials fitted in the plenum should have a minimum fire classification of M1 (non-flammable).

Rolling shutter boxes must be airtight.

The ceilings are custom-made in the factory, adaptations and finishing work can be achieved during installation.

Spot transformers are generally attached directly to the existing ceiling or on walls. The Barrispot is designed to house the transformer which can be reached by hand without detaching the stretch ceiling.

Adjustable inset spots are generally compatible with BARRISOL. If the heat they diffuse is greater than 50°C, an insulating ring must be placed between the spot ring and the BARRISOL fabric. The spot power must not be greater than 50W.

Spots which transmit more than 60°C through their metal ring are incompatible with BARRISOL ceilings, even if they are equipped with insulating rings.

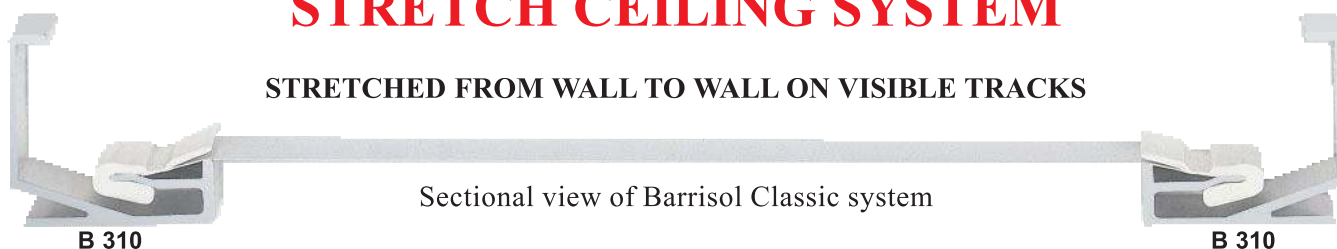
If mechanical ventilation is used, the air inlet and extraction flows must be designed correctly to ensure balance.

In buildings undergoing refurbishing work, the installation of BARRISOL stretch ceilings does not require that furniture be moved; however, it is the customer's responsibility to remove ornaments and plants from the room.

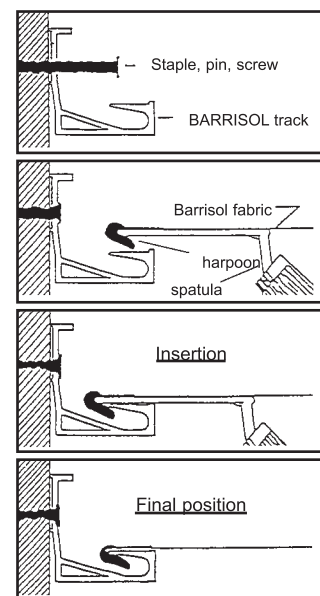
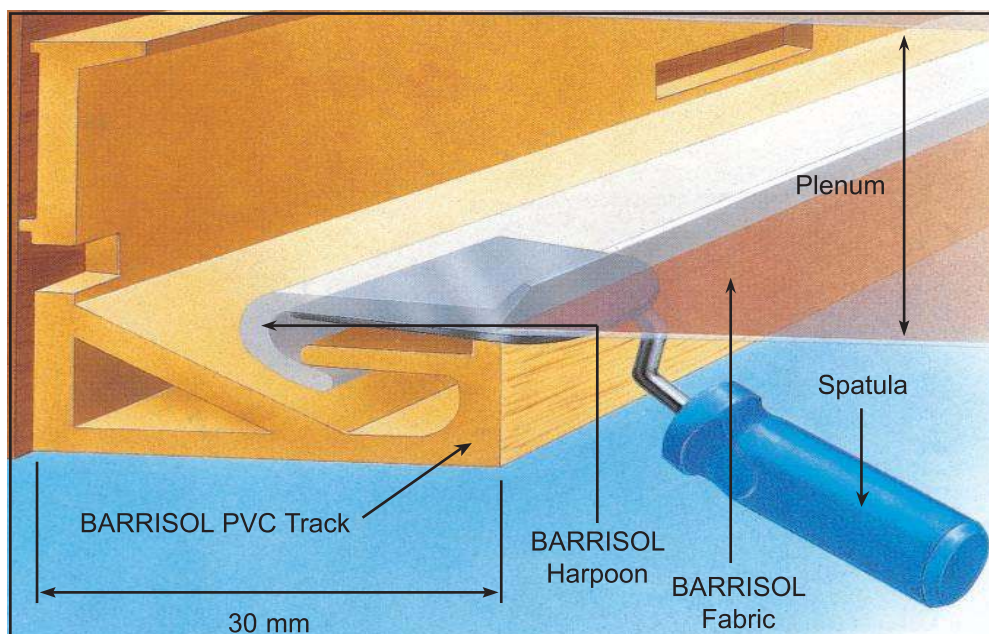
In addition, the customer should protect furniture using blankets or sheets (particularly lacquered or valuable furniture).

## THE BARRISOL CLASSIC STRETCH CEILING SYSTEM

STRETCHED FROM WALL TO WALL ON VISIBLE TRACKS



### PRINCIPLE OF BARRISOL CLASSIC STRETCH CEILING SYSTEM



Sectional view of installation

The Barrisol Classic track is mounted on the periphery of the walls. Using the spatula, the harpoon, welded around the Barrisol Classic ceiling, is inserted to the track and is stretched. Installed wall to wall, Barrisol Classic lowers the room height easily. It does not stick to the existing ceiling. The air lock formed is equivalent to double-glazing.

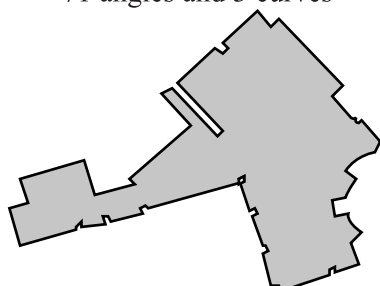
### CUSTOM-MADE



The measurements of the stretch ceilings are taken with a laser on site by Barrisol professionals, plotted on software, defined according to Barrisol standards and transmitted via Internet to the high-tech manufacturing software. The Barrisol Classic ceiling is adapted exactly to the perimeter of the rooms. The angles and curves which can be numerous, must be perfect and with no folds, the flatness of the ceiling depends on this accuracy. The seams of the strips and the harpoon are guaranteed 10 years.

### BARRISOL CLASSIC STRETCH CEILINGS

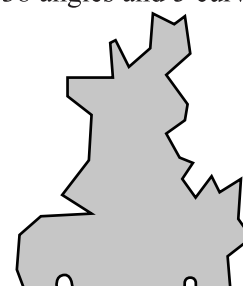
71 angles and 3 curves



10 angles and a large curve



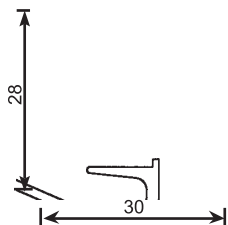
38 angles and 5 curves



The most complex ceilings are manufactured to the shapes of the rooms to be equipped.

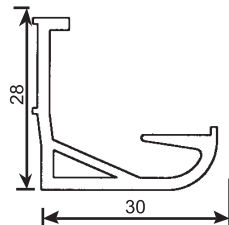
## VISIBLE BARRISOL CLASSIC TRACKS

### CHOICE OF DECOR:



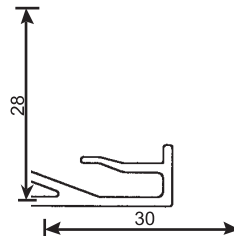
**B 301**

The Barrisol Classic  
PVC track



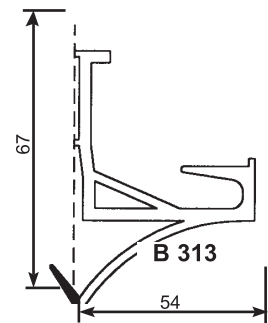
**B 311**

The Barrisol Rounded  
PVC track



**B 310**

The Barrisol Classic  
aluminium track

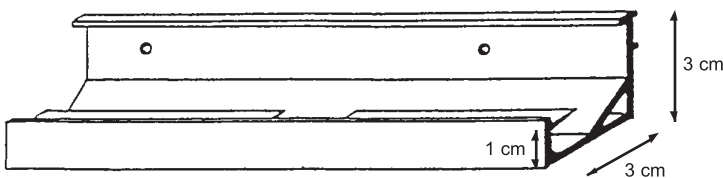


**B 313**

The Barrisol  
Cornice PVC track

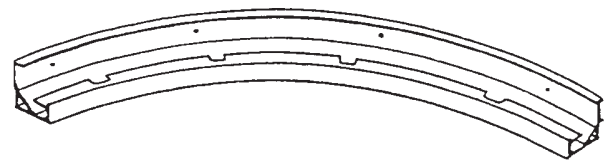
### CHARACTERISTICS:

#### PVC or aluminium track



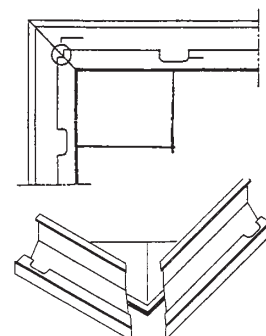
- extruded M1 white PVC tracks
- M0, aluminium, gold or bronze coloured anodised aluminium tracks
- machined to allow the ventilation of the plenum, balanced room and plenum air pressure
- notches for a quick assembly, easy disassembly which facilitates access to the plenum
- insertion of the Barrisol fabrics in the tracks by means of the harpoon
- no shade line on the walls
- possibility to paint tracks to match or contrast Barrisol colours
- view of the tracks after the installation on a width of 3 cm and a return of 1 cm, straight or rounded
- adaptation of the tracks to all perimeter configurations

#### Curved Barrisol Classic track

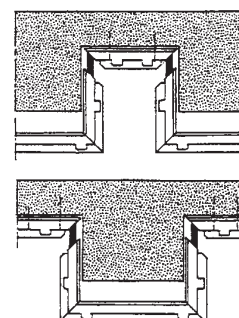


- the curved PVC track is custom-made in the factory for an excellent finish
- diameter from 30 to 298 cm.
- can be painted, as for the PVC track, but after curving.

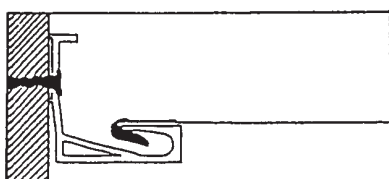
#### Exact angle join



#### Assembly with aluminium bracket



### TRACK ATTACHMENT:



Stapled, screwed, rive-  
ted tracks depending  
on type of walls.

In any case, the tracks must withstand a tensile force of 30 kg/metre.

#### The tracks are fitted:

- on the periphery of the room
- at the desired height, taking into account the height of the technical equipment or lighting in the plenum.



# THE BARRISOL STAR STRETCH CEILING SYSTEM

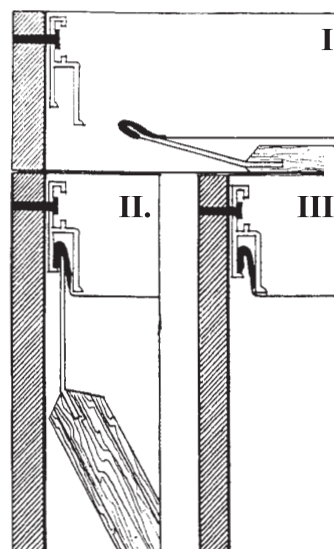
WITH INVISIBLE TRACKS

BS 350/01

BS 350/01

Sectional view of system

## INSTALLATION OF BARRISOL STAR STRETCH CEILINGS



### SECTIONAL VIEW OF THE INSTALLATION

I. Using a spatula (1), the harpoon (2), attached to the perimeter--of-the Barrisol Star ceiling (3), is guided in the direction of the track attached to the periphery of the room.

II. The harpoon is inserted into the track.

III. The-ceiling is stretched - the finish consists of a 6 mm decorative flash gap joint or with a joint cover.

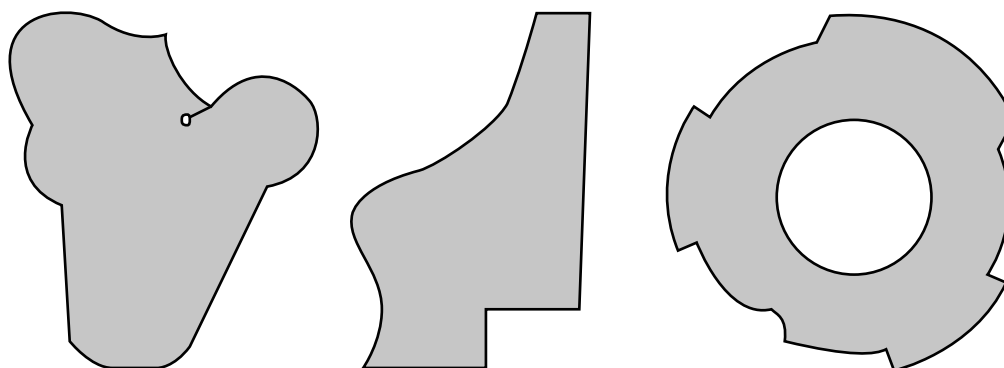
3 - K I N D S - O F  
BARRISOL-STAR  
tracks allow the fitting  
of-the-ceiling-at  
different-plenum  
heights-or-between  
cornices-or-at-a  
distance from the wall.

**THE BARRISOL STAR STRETCH CEILING SYSTEM** benefits from all the advantages of Barrisol Classical, but it also offers higher performance:  
**BARRISOL STAR CEILINGS CONCEALED TRACKS.**

After installation, only a 6 mm decorative flash gap joint finish can be seen. The Barrisol Star ceiling benefits from extremely pure lines, without visible tracks. It can be used for all designs, even the most imaginative.

### CUSTOM-MADE

Barrisol Star ceilings are custom-made according to exact data of the rooms to be equipped. Tracks and ceilings can be adapted perfectly to any perimeter.



Barrisol Star ceilings are perfectly stretched.

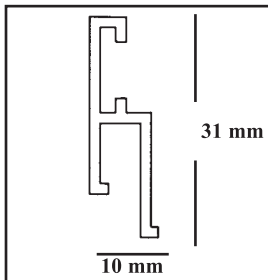
### LASER AND HIGH-TECH SOFTWARE



Laser measurements.  
Software  
drawing plotting.  
Transmission  
via Internet to  
manufacturing  
software.

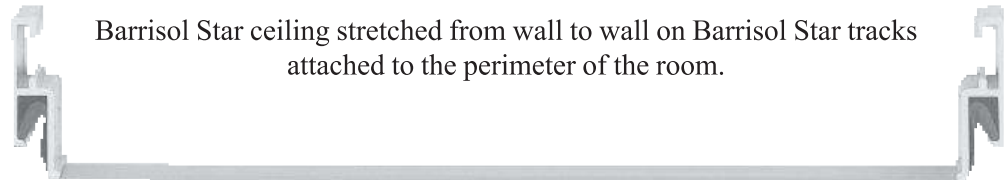
## BARRISOL STAR STRETCH CEILING TRACKS

**INVISIBLE – ANODISED ALUMINIUM DECORATIVE FLASH GAP JOINT FINISH – M0**  
(Class O in UK, Class O in USA)



**BS 350/01**

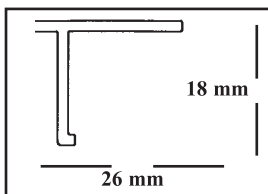
To be fixed to wall



Barrisol Star ceiling stretched from wall to wall on Barrisol Star tracks attached to the perimeter of the room.

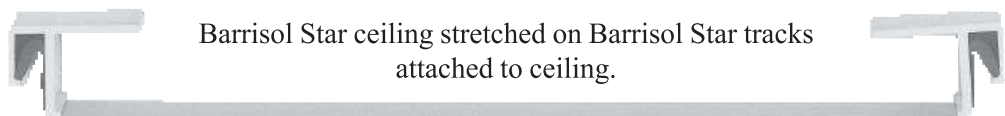
Any plenum height up to 32 mm from the existing ceiling

Option: PVC finishing joints



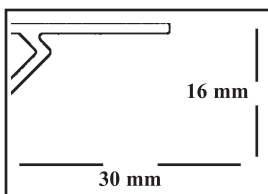
**BS 350/11**

To be fixed to ceiling



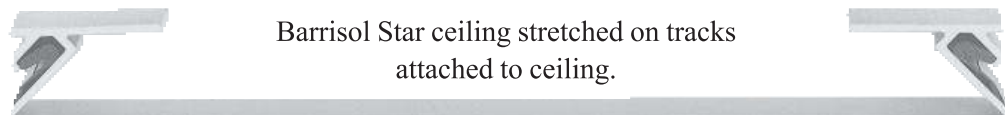
Barrisol Star ceiling stretched on Barrisol Star tracks attached to ceiling.

- for low plenum heights
- between cornices



**BS 350/202**

To be fixed to ceiling



Barrisol Star ceiling stretched on tracks attached to ceiling.

The stretch ceiling must be at least 10 cm from the wall.

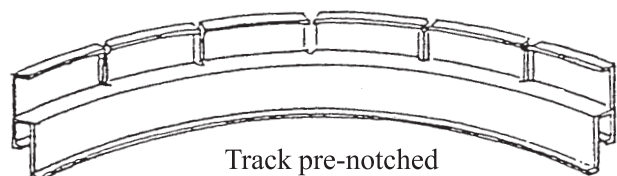
### ROUNDED BARRISOL STAR TRACKS

- **CURVED** for 3D

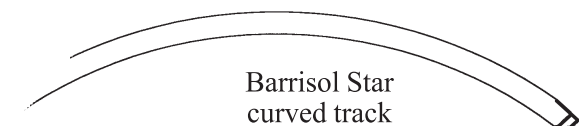
Curved tracks custom-made in the factory

- for large curve and vault lengths
- for Barrisol Creaform

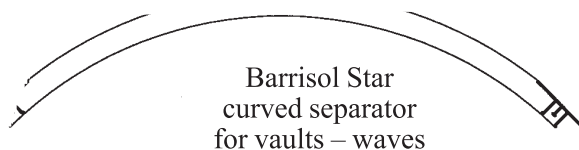
- **PRE-NOTCHED** for rounded shapes



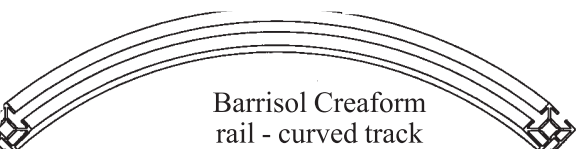
Track pre-notched in the factory for easy adaptation on site to rounded and vaulted shapes



Barrisol Star curved track



Barrisol Star curved separator for vaults – waves



Barrisol Creaform rail - curved track



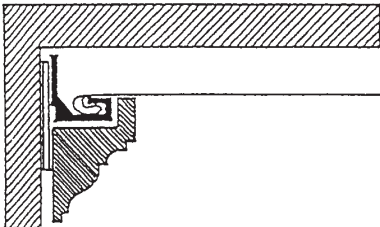
Notched tracks to be fixed on rounded supports



Notched track and separator for vaults

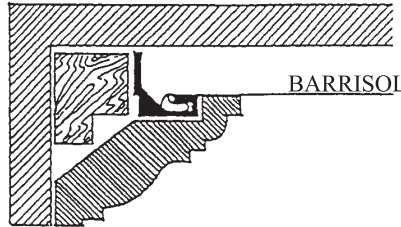
## CORNICES AND BEAMS

### INTEGRATED CORNICE



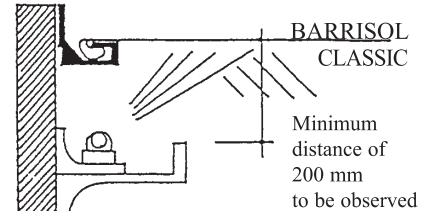
Composed of a Barrisol Classic track and cornice out of samba wood to be painted or varnished.

### MOUNTED CORNICE



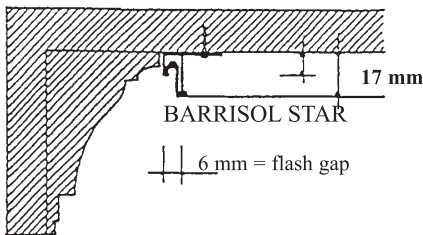
The Barrisol Classic installation adapts to the wooden plaster or polyurethane cornice

### CORNICE WITH LIGHTING

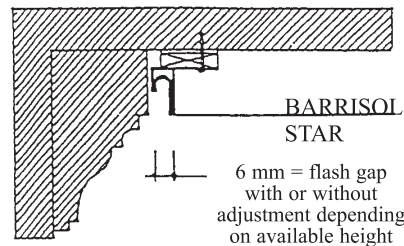


Lighting cornice, placed 200 mm from the wall, diffuses its light on the matt or satin ceiling

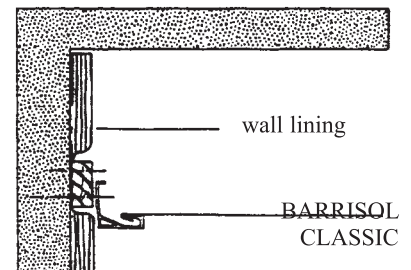
### EXISTING CORNICES



The Barrisol Star ceiling adapts to the height left by the shape of the cornice for its installation.

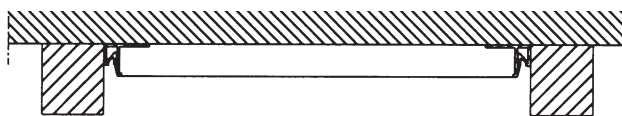


### CEILING FIXED ONTO WALL LINING



Barrisol Classic track fixed onto surface between lining

### STRETCHED CEILING BARRISOL STAR BETWEEN BEAMS

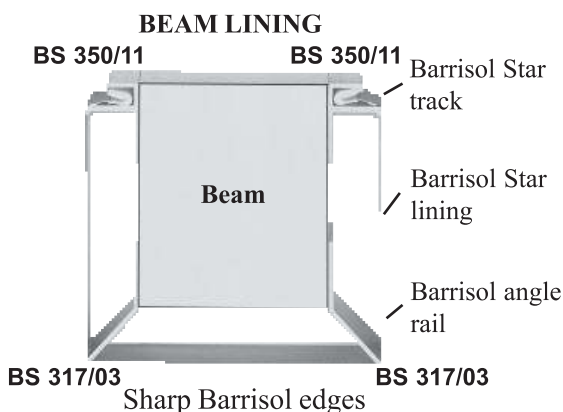


Barrisol Star tracks fixed to the existing ceiling. Stretched ceiling from beam to beam. 6 mm flash gap joint.

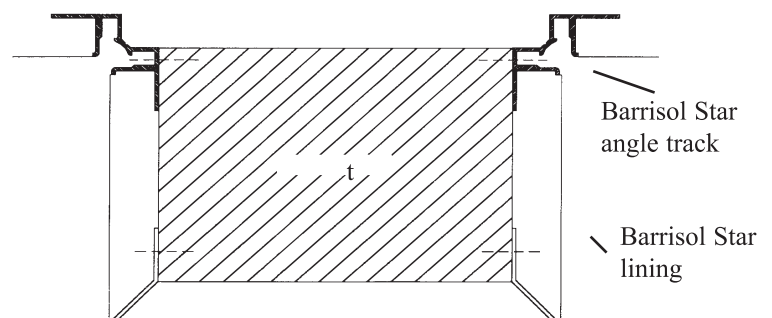
### BEAM LINING



Rounded Barrisol edges



### BEAM-CEILING JOIN



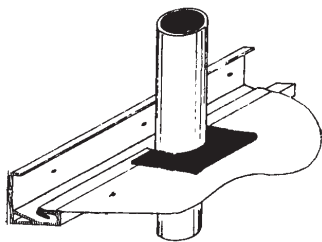
Join between Barrisol Star stretch ceilings and a lined Barrisol beam

## INCORPORATION OF PIPES, PILLARS, COLUMNS

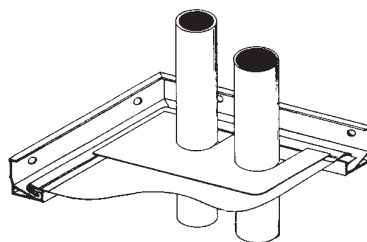
### BARRISOL PIPE INCORPORATION SYSTEM

Resistant and aesthetic for a remarkable Barrisol Classic and Barrisol Star ceiling finish.  
For water, electricity, heating pipes, etc.

- **Less than 3 cm from the wall**  
on the periphery of the room (negates visible boxes)



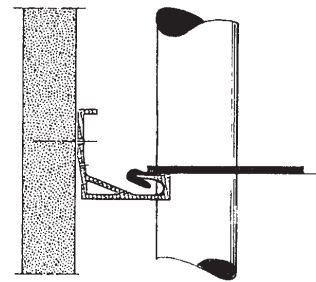
for one pipe



for 2 paired pipes

The stretch ceiling, reinforced with a resistant translucent panel, circumvents the pipes.  
The system is not visible after installation.

- **More than 3 cm from the wall**



Stretch ceiling reinforced with a translucent panel and inserted into a Barrisol Classic track.

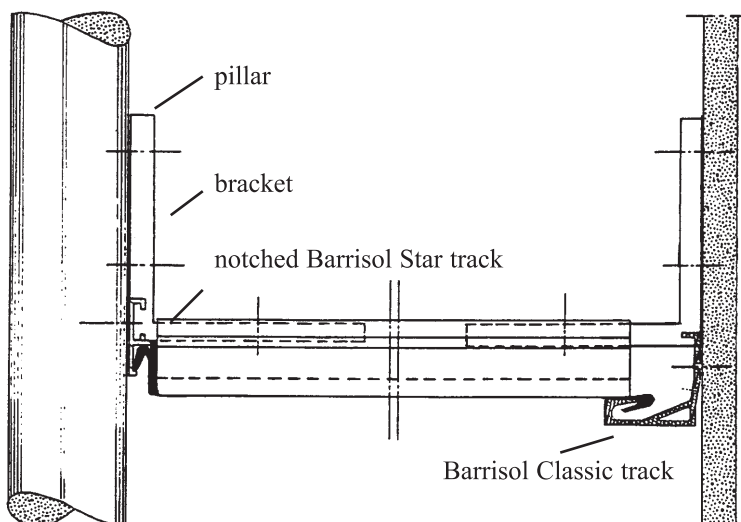
### CURVED AND NOTCHED TRACKS FOR PILLARS AND COLUMNS

- **Diameter < 28 cm for:**
  - Barrisol Classic
  - Barrisol Star



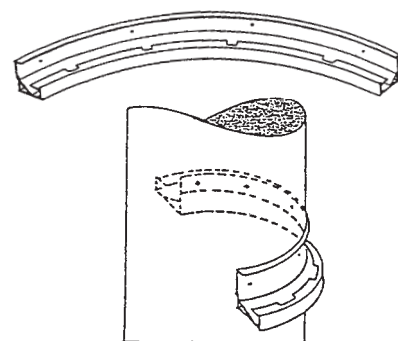
Barrisol Star track pre-notched  
to fit the circumference of the pillars exactly.

Example of join between Barrisol Classic ceiling with trimming to pillar using notched Barrisol Star track.

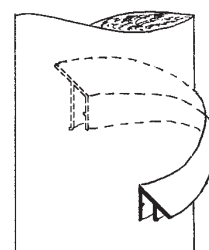


Sectional view

- **Diameter > 28 cm**  
**Barrisol Classic**



- Barrisol Classic PVC track curved in factory to the pillar and column measurements.
- Connection of the tracks by aluminium sleeve.



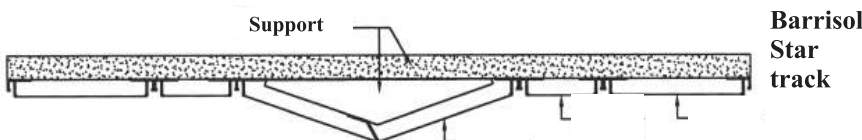
- Curved M0 aluminium Barriline track custom-made in factory to the pillar and column measurements.



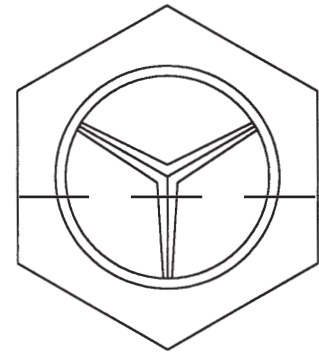
## INCORPORATION OF INSET DESIGNS & LOGOS

### IN BARRISOL CLASSIC AND BARRISOL STAR STRETCH CEILINGS ACCORDING TO BARRISOL TECHNIQUES

#### EMBEDDING OF LOGOS



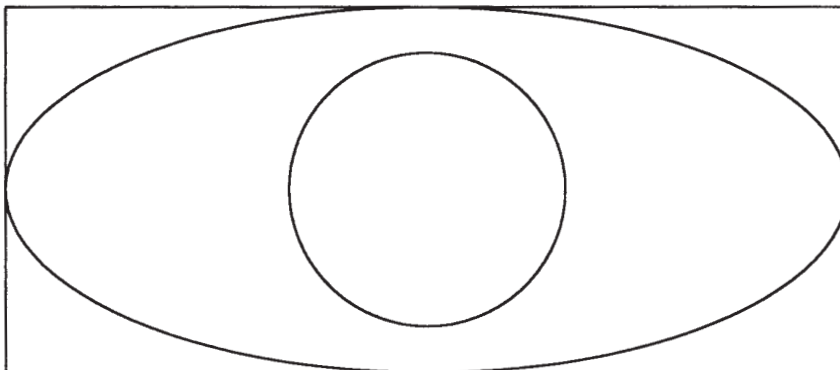
Embedding of MERCEDES logo in Barrisol Star stretch ceiling  
(sectional view)



"Mercedes" logo produced  
in Barrisol Star stretch ceiling  
on Barrisol Star tracks

#### DUO BARRISOL STAR

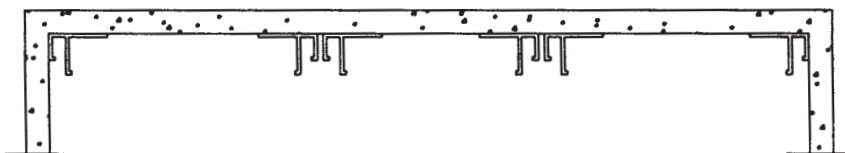
Many decorative possibilities can be considered by installing a Barrisol Star ceiling in another Barrisol Star ceiling.



Sectional view of Duo Barrisol Star.

The Barrisol Star stretch ceiling can be square, rectangular, ovoid or any other shape.

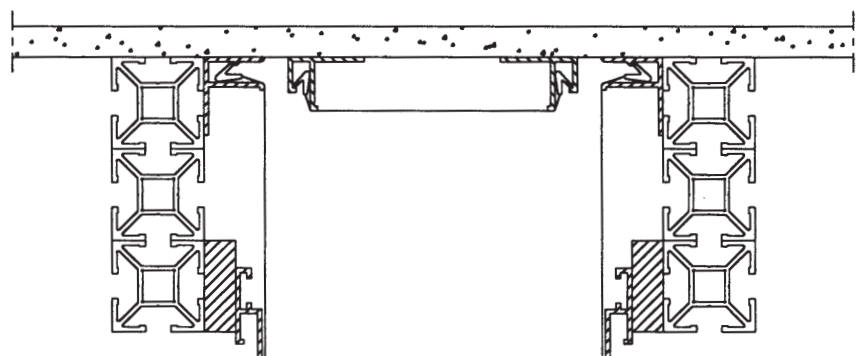
The two ceilings are stretched on Barrisol Star tracks



Barrisol Star tracks for  
incorporating Duo Barrisol Star

#### INCORPORATING A BARRISOL CEILING WITH PERIPHERAL UPWARD CURVE IN A BARRISOL STAR CEILING

Embedding of a round or oval Barrisol Star stretch ceiling with peripheral upward curve. Mini-spots or optical fibres can be incorporated.

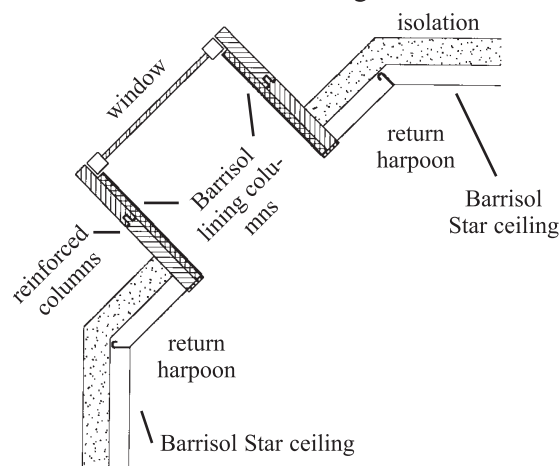


## BARRISOL INCORPORATION

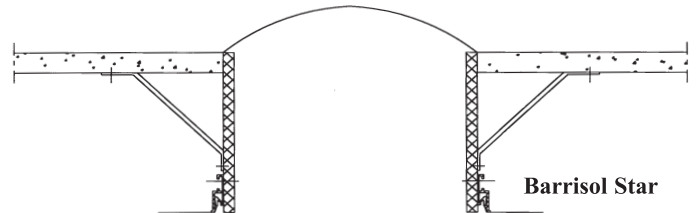
### SKY-LIGHTS, ROOF WINDOWS, ROLLING SHUTTERS, INSPECTION PANELS IN BARRISOL CLASSIC AND BARRISOL STAR CEILINGS

#### ROOF WINDOW

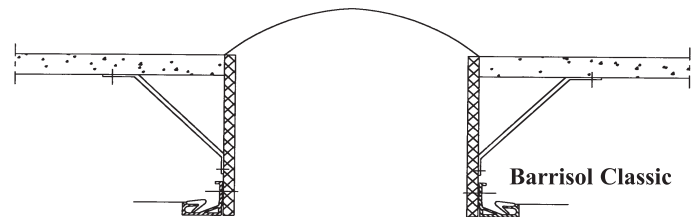
between 2 Barrisol Star ceilings



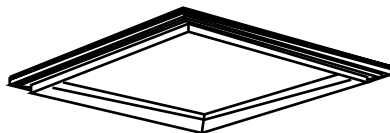
#### SKY-LIGHT



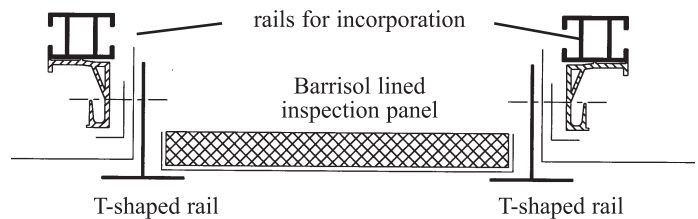
2 ceilings are inserted into tracks fixed on each reinforced column of the sky-lights which can be produced in various decorative shapes



#### INSPECTION PANEL

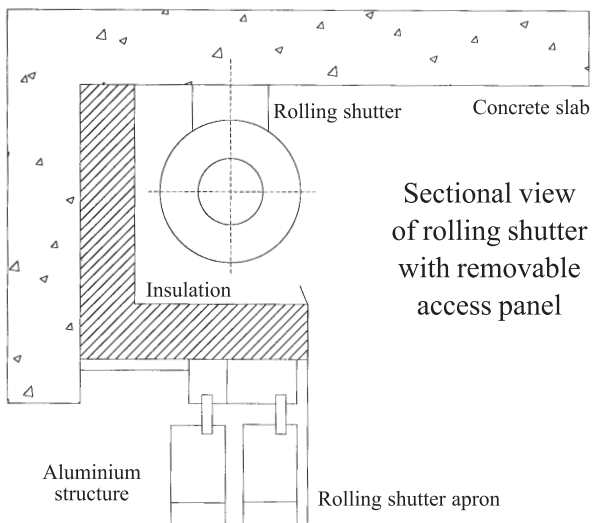


Barrisol fabric stretched on frame  
or Barrisol Ceiling Tile



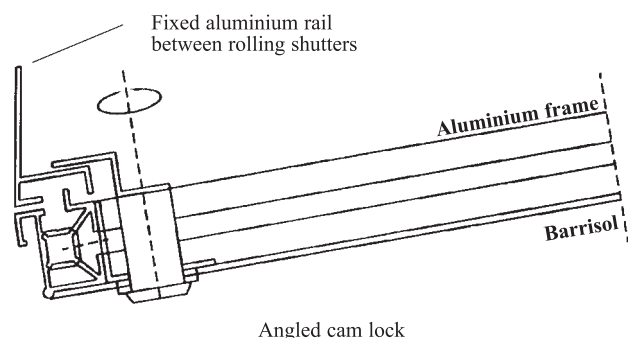
Support for inspection panel

#### ROLLING SHUTTERS



Sectional view  
of rolling shutter  
with removable  
access panel

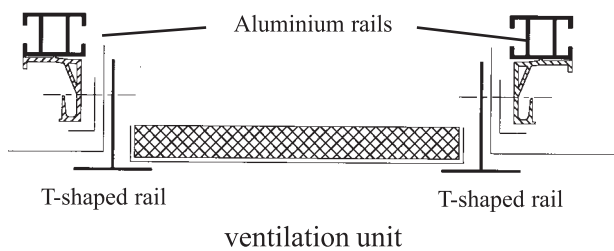
#### ROLLING SHUTTER REMOVABLE ACCESS PANEL (EXTERIOR)



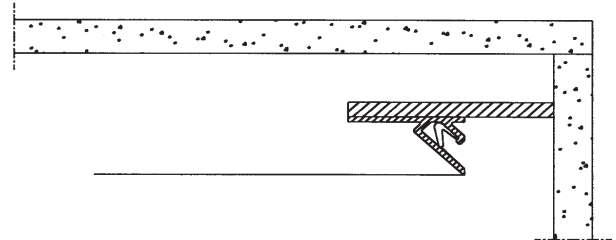
## ALL TECHNICAL EQUIPMENT CAN BE INCORPORATED

### IN BARRISOL CLASSIC AND BARRISOL STAR CEILINGS

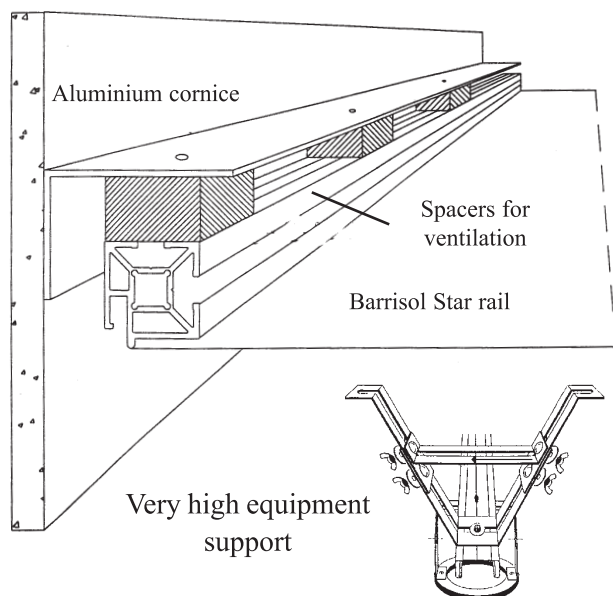
Air conditioning or ventilation unit support



Technical device on perimeter of stretch ceilings.  
Decorative finish.

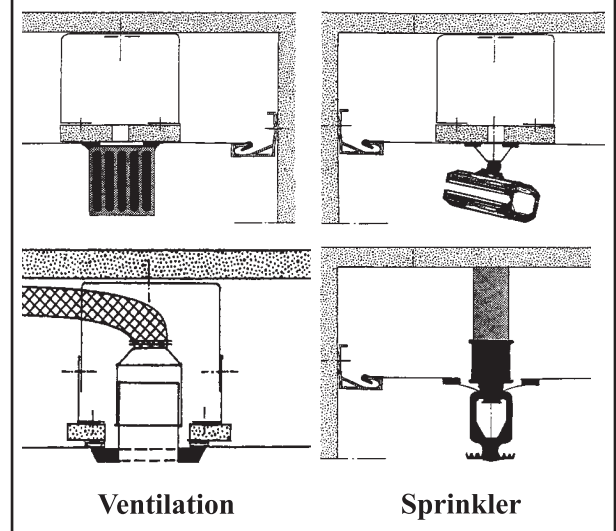


Air flow balancing system for ventilation in plenum



**Smoke detector**

**Surveillance camera**



**BS 350/01**

**BS 350/19**

**BS 350/11**

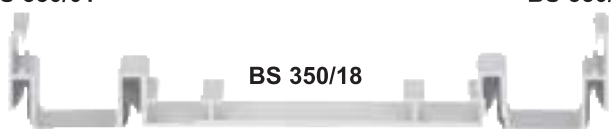


Large surface separator with sprinkler support  
function

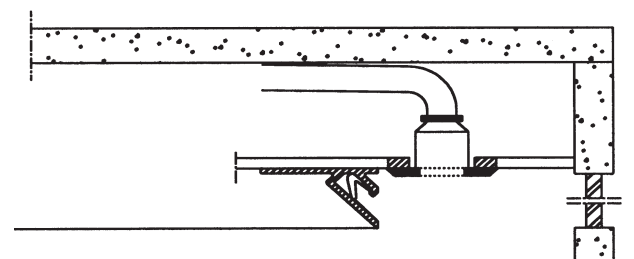
**BS 350/01**

**BS 350/01**

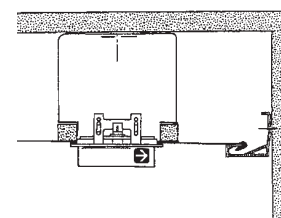
**BS 350/18**



Large surface separator with air conditioning  
support function



Air supply or extract system on glazed surfaces.



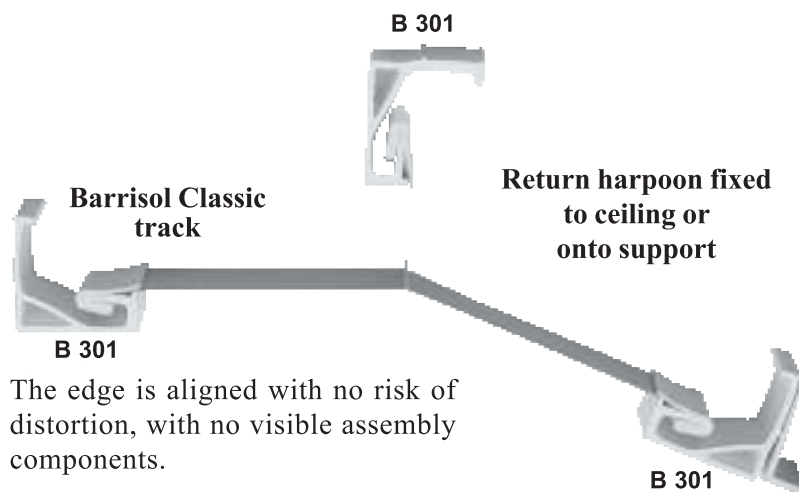
Stand alone safety light unit.

## BARRISOL CLASSIC SLOPING CEILING SYSTEMS

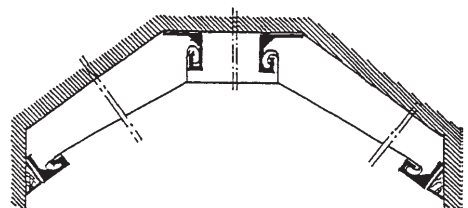
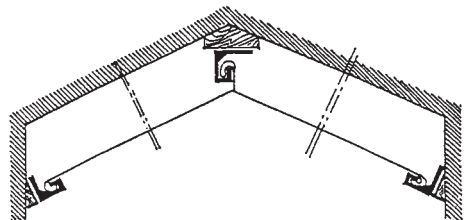
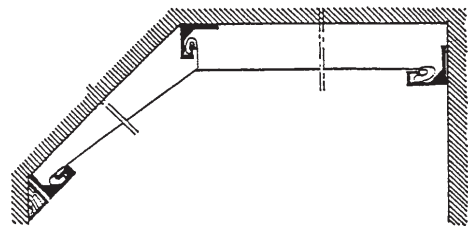
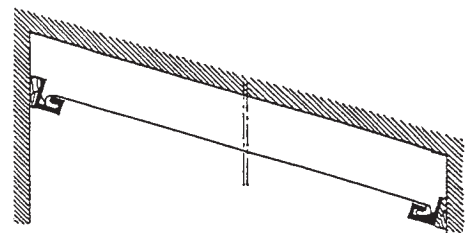
**SLOPING CEILING REFURBISHMENT TO FIT OUT ATTICS, CREATE NEW VOLUMES, LIVEN UP SPACES AND CREATE DECORATIVE ELEMENTS, WITHOUT ADDING WEIGHT TO EXISTING STRUCTURES.**

### THE RETURN HARPOON SYSTEM

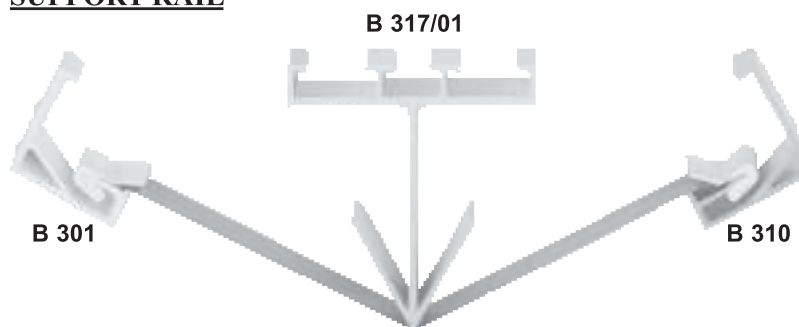
Supports sloping stretch ceilings all along the edge.



The return harpoon technique for sloping ceilings can be adapted to ceilings with 1, 2, 3 slopes or multiple slopes.

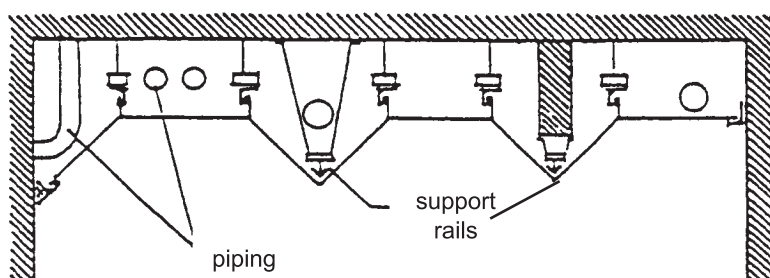


### SUPPORT RAIL



Multiple slope ceiling with support rail

### CREATION



Architect: Marc Essartier

Decorative composition of sloping ceilings with return harpoons and support rails.  
Piping is placed in the plenum.

Heat insulation, soundproofing, plenum access are possible in all Barrisol Classic and Barrisol Star sloping ceilings.

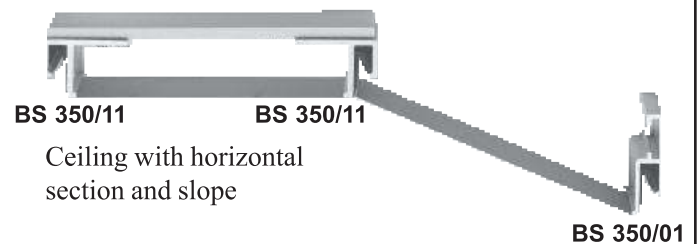
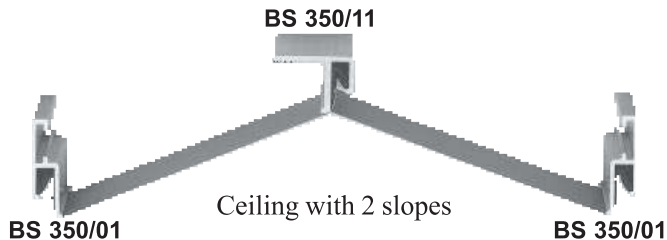




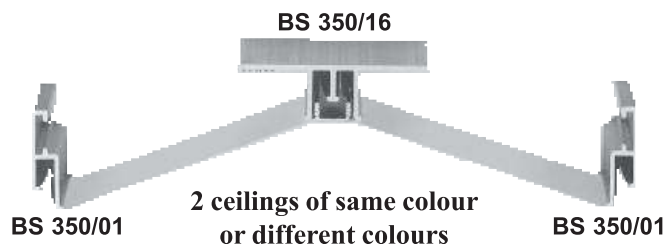
## BARRISOL STAR SLOPING CEILING SYSTEMS

### BARRISOL STAR SLOPING CEILINGS

- Return harpoon and Barrisol Star track (low plenum height)



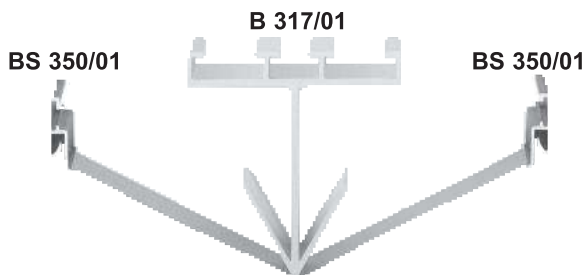
- Flash gap joint separator joining two slopes (low plenum height)



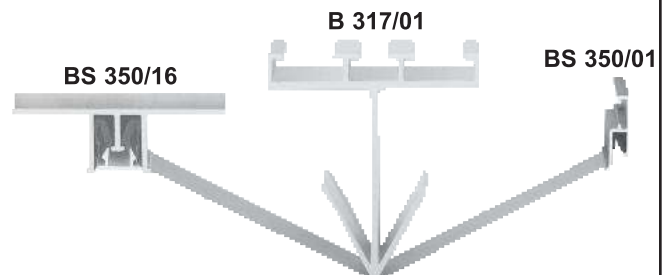
- Super Star separator (any plenum height)



### SUPPORT RAIL IN BARRISOL STAR CEILINGS

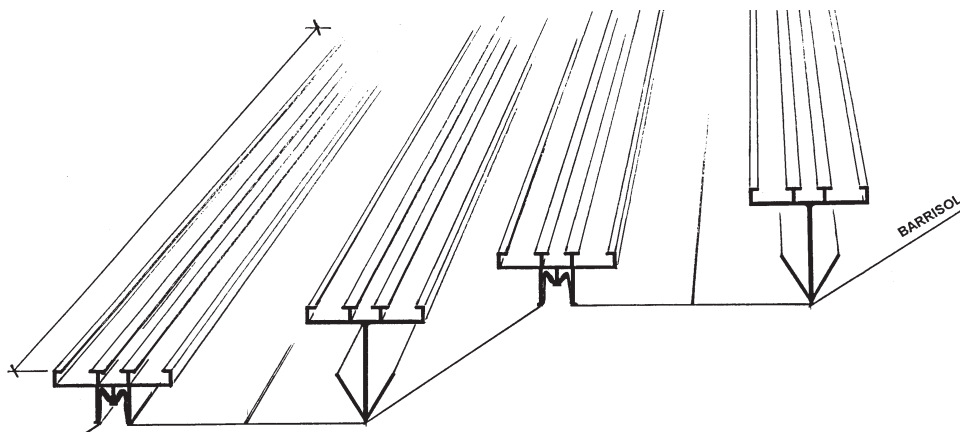


Barrisol Star ceiling from wall to wall, with change in slope using support rail



Barrisol Star ceiling from wall to separator, with change in slope using support rail

### CREATION

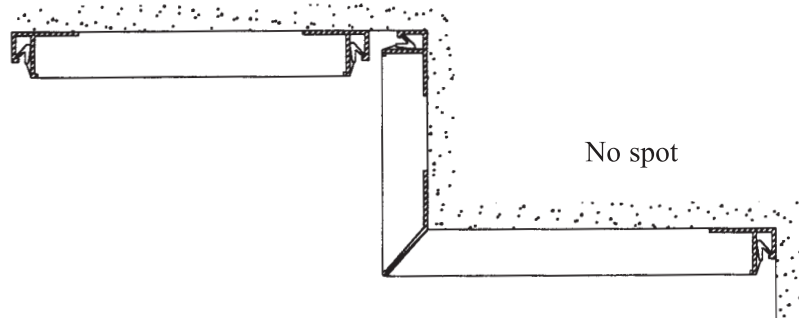


Composition of Barrisol Star ceilings mounted on Barrisol Star separator with change in slope using support rail.

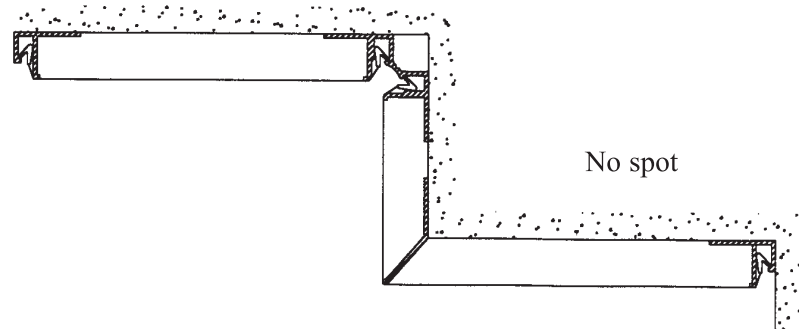
## STRETCH CEILINGS WITH RECESS

### BARRISOL STAR STRETCH CEILINGS WITH SHARP EDGE ON RECESS

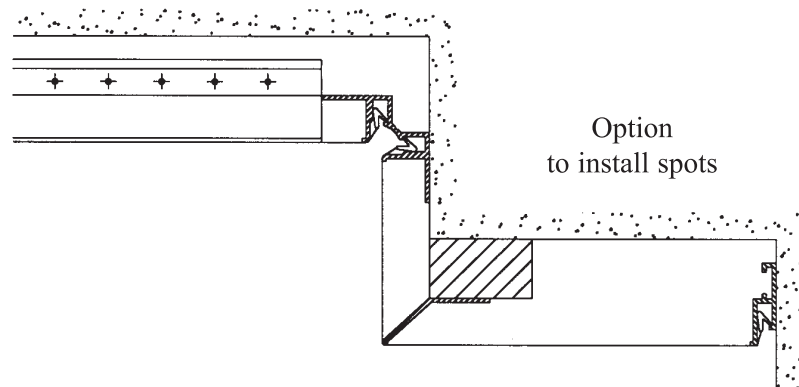
**PLENUM HEIGHT**  
**17,5 mm**  
(first solution)



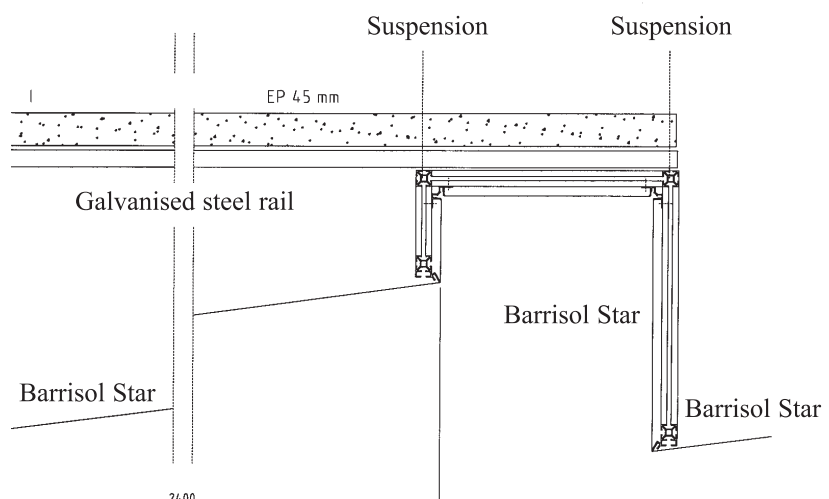
**PLENUM HEIGHT**  
**17,5 mm**  
(second solution)



**PLENUM HEIGHT**  
**80 mm**



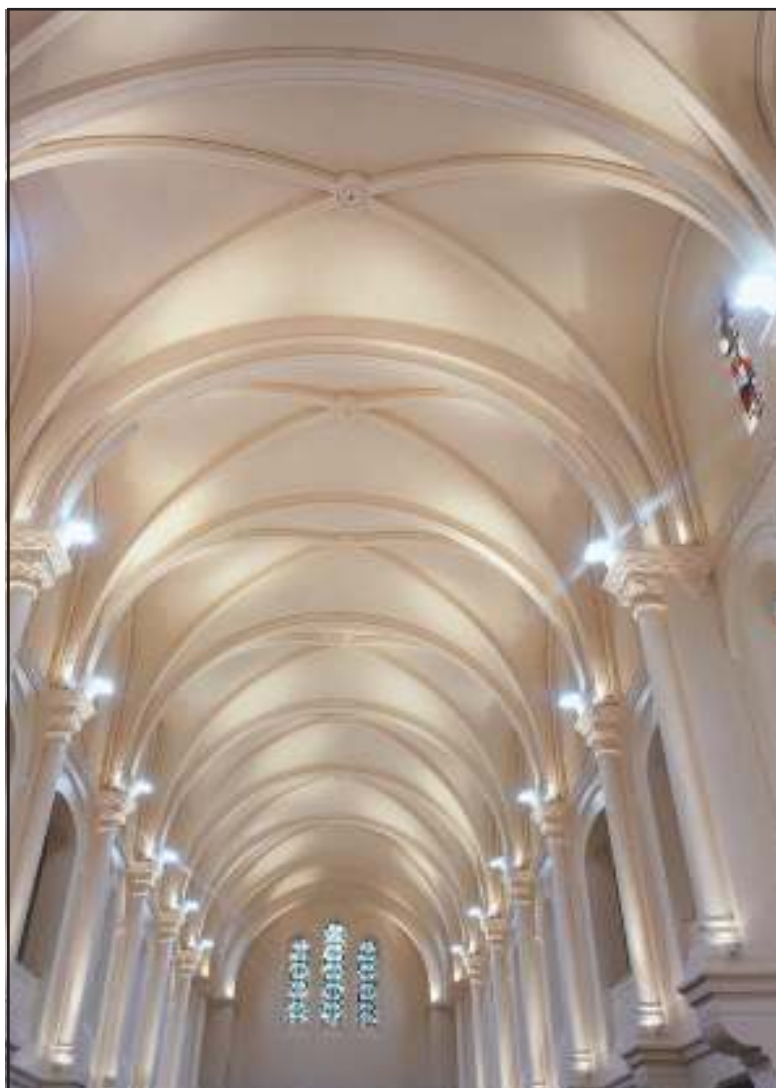
**CREATION OF  
STRETCH CEILINGS  
WITH RECESSES ON  
SYMA ALUMINIUM  
STRUCTURE AND  
GALVANISED STEEL RAIL**





## **BARRISOL STAR 3D, THE 3D ARCHITECTURE STRETCH CEILING**

**WITH BARRISOL STAR 3D, STRETCH CEILINGS, WHICH WERE HORIZONTAL UP TO NOW, TAKE ON ALL THE ARCHITECTURAL SHAPES POSSIBLE. USED IN MODERN ARCHITECTURE, BARRISOL 3D ALSO REFURBISHES ALL STYLES, RESPECTING THE ORIGINAL ARCHITECTURE**



Restoration of top and side surfaces in Versailles church

Architect: STDE 2A, Yves Durand

Orange florès Barrisol Star 3D stretch ceiling following the shapes of the curves formed by the vaults, respecting the original architecture.

Duration of Barrisol work: 3 weeks

### **Restore architectural forms**

- Barrisol 3D conceals the tracks out of sight to show the original architecture.
- The ceiling, custom-made in 3D, fits exactly to all the kinds of vaults, semicircular arches, ribs, three and five-sided structures, small vaults, overhangs and all architectural forms. Barrisol 3D allows for the reconstruction of simple arches, vaults, domes or complex forms and shapes.

### **A universal and harmonious covering product**

For ancestral covering products, requiring long replacement times which can be easy to damage, Barrisol offer an excellent substitute in the matt and satin finishes. Smooth, uniform, non-reflecting, impermeable, quick-installed, the Barrisol 3D products offer a spectacular and durable result, in perfect harmony with the architecture.

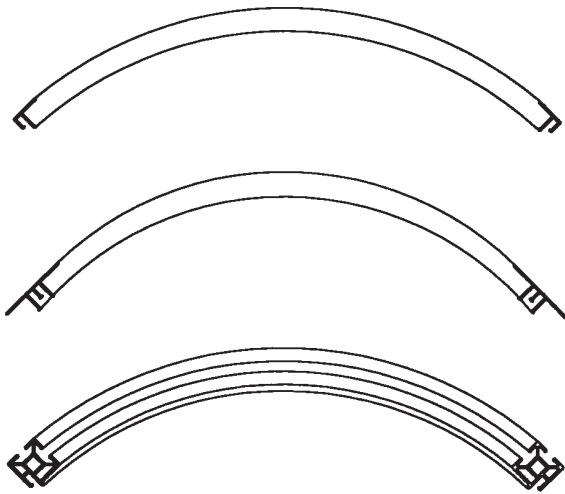
### **Barrisol 3D:**

Meets all the conditions to ensure successful and durable 3D architecture ceilings in all styles.

## BARRISOL STAR 3D TRACKS

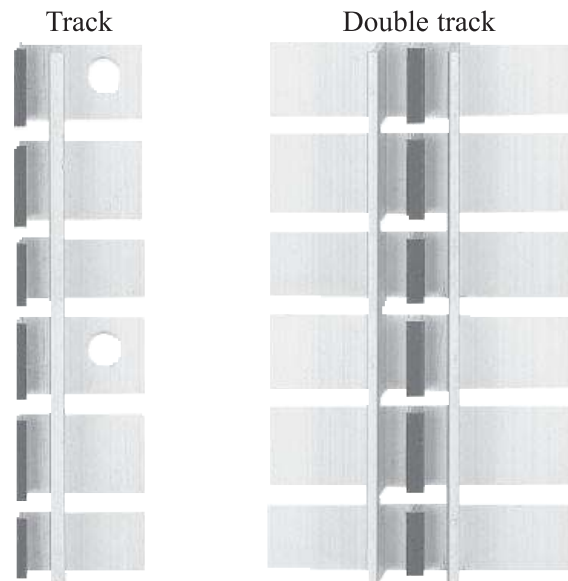
**CURVED BARRISOL STAR TRACKS, DOUBLE TRACKS ARE CUSTOM-MADE  
IN THE FACTORY OR PRE-NOTCHED**

### CURVED BARRISOL STAR TRACKS



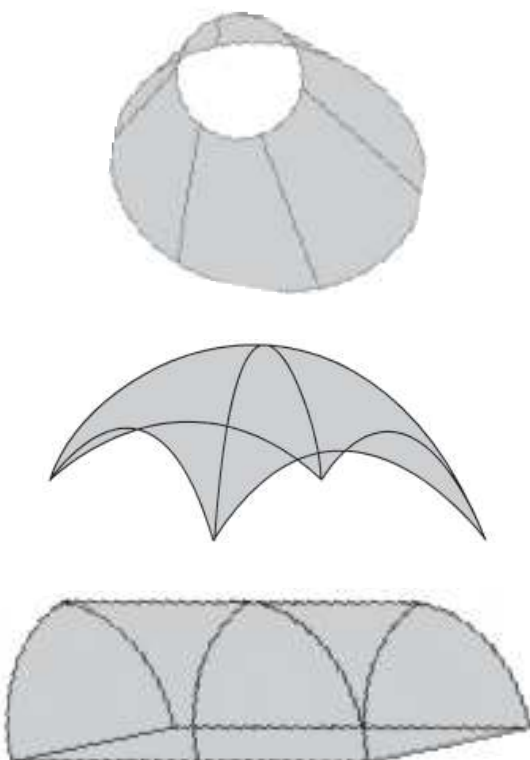
Curved tracks custom-made in the factory

### NOTCHED BARRISOL STAR TRACKS



Tracks pre-notched in the factory to adapt  
to curved lines exactly

### TRACKS AND SHAPES



### 3D REFURBISHING

Barrisol's extremely advanced techniques can be adapted to the requirements and special needs of the surfaces to be refurbished.

- edge reinforcement in the event of decay
- retention of particles liable to fall from existing ceiling.

The Barrisol Star 3D ceiling does not stick to the existing ceiling, allows the installation of heat insulating and soundproofing materials, and prevents stains caused by damp.

The different Barrisol tracks and rails can be used with any type of architecture.

The Barrisol fabric range offers the most suitable texture and colour for all locations and all materials.

The refurbishing work is durable with an exceptional finish.



# BARRISOL STRETCH CEILING INSTALLATION TECHNIQUES FOR LARGE SURFACES

- **STANDARDISED BARRISOL STRETCH CEILINGS DIMENSIONS**
- **SEPARATORS TO INSTALL BARRISOL STRETCH CEILINGS OVER UNLIMITED SURFACES**

Stretch ceilings must have a maximum flatness. Since the dimensions of each ceiling vary, Barrisol set measurement standards which represent the highest value for each ceiling.

These standards are defined, not by self-supporting surfaces, but by length and width ratios, given in the table below.

TEXTURES	INSTALLATION HEIGHT	MAXIMUM LENGTHS AND WIDTHS	
METALLIC LACQUER	Any height	Length	Width
		20 m 6 m	4.5 m 5.5 m
MATT SATIN	<3.50 m	Length	Width
		20 m 6 m	4.5 m 5.5 m
	>3.50 m	Length	Width
		20 m 10 m	4.5 m 5 m
BRUSHED SUEDE	Any height	Length	Width
		15 m 10 m 5 m	4 m 4.5 m 5 m

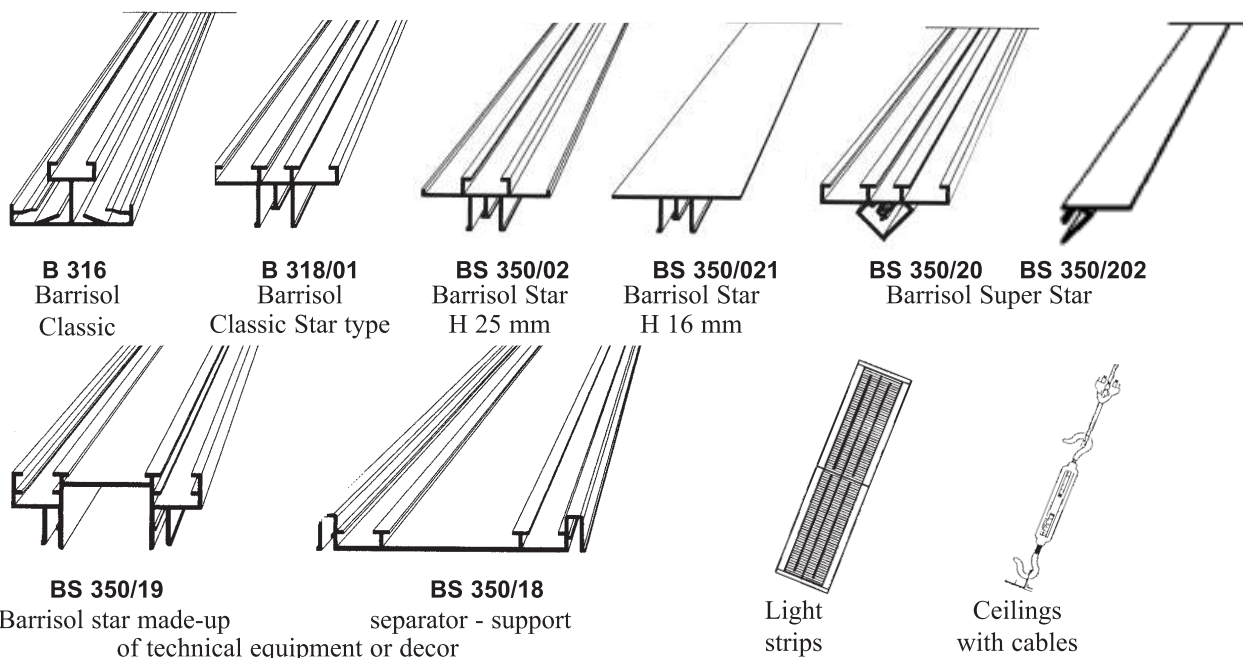
## LARGE SURFACES

If the dimensions of the ceiling surfaces to be installed are greater than Barrisol standards, the Barrisol Large Surface Technique is used.

## DIVIDING LARGE SURFACES

- The surface to be equipped is divided into one or more ceilings meeting Barrisol standards.
- The range of separators including Barrisol Classic, Barrisol Star, Barrisol Super Star, Light strips, Ceiling with braids, is used for this division.

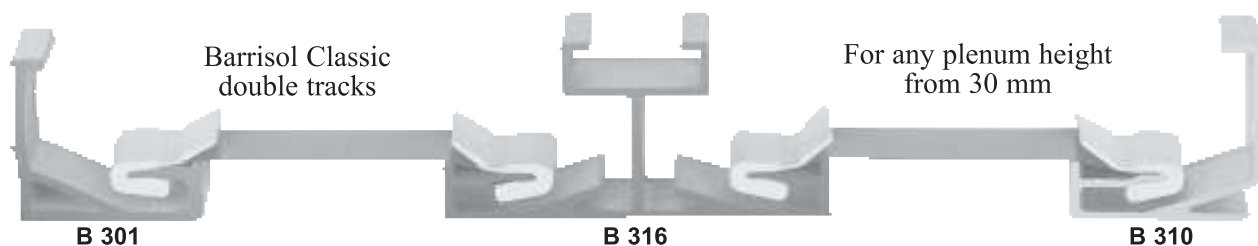
## BARRISOL SEPARATORS



## BARRISOL CLASSIC AND BARRISOL STAR SEPARATORS

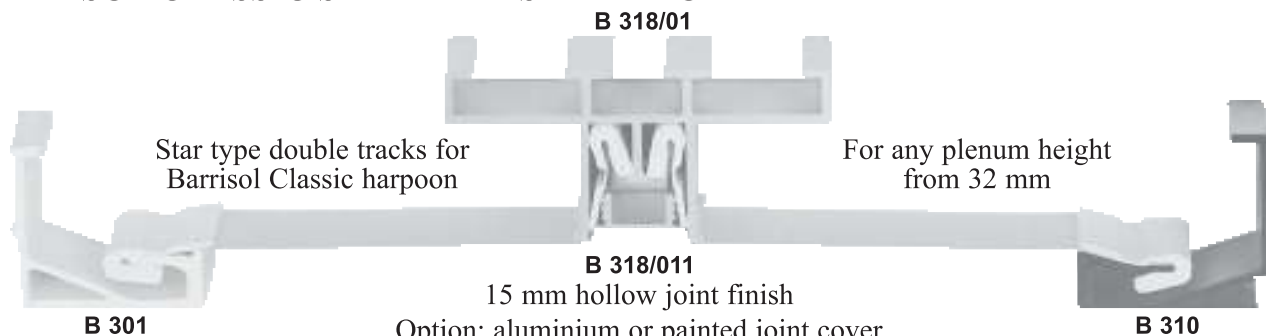
CAN BE INSTALLED IN UNLIMITED NUMBERS  
AT DIFFERENT PLENUM HEIGHTS  
M0 anodised aluminium

### BARRISOL CLASSIC SEPARATOR



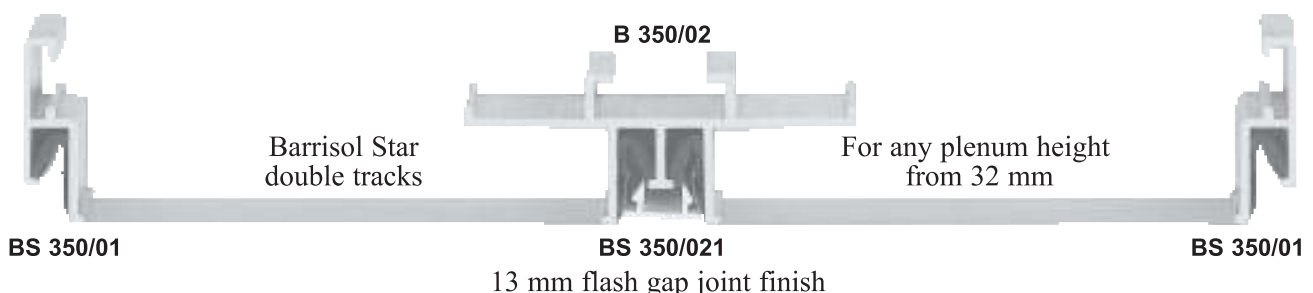
Width 60 mm – return 10 mm  
Colour: aluminium to be painted or covered with Barrisol fabric

### BARRISOL CLASSIC STAR TYPE SEPARATOR



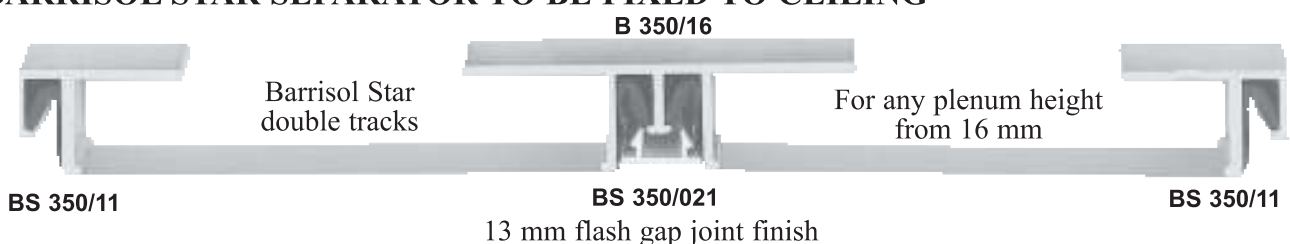
15 mm hollow joint finish  
Option: aluminium or painted joint cover

### BARRISOL STAR SEPARATOR TO BE FIXED TO WALL



13 mm flash gap joint finish

### BARRISOL STAR SEPARATOR TO BE FIXED TO CEILING



13 mm flash gap joint finish

#### OPTION FOR BARRISOL STAR SEPARATORS

- aluminium or painted joint cover to be installed in recess
- PVC joint cover flush with separator.

## BARRISOL SEPARATORS AND CABLE SYSTEM

### BARRISOL SUPER STAR SEPARATOR

To separate a surface into 2 standardised Barrisol ceilings



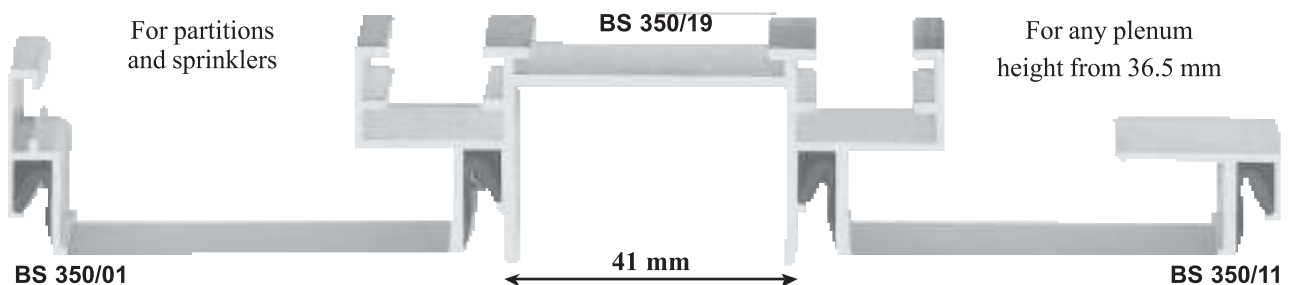
The Super Star separator is composed of 2 parts. The first ceiling is inserted into the left part.

This separator is invisible. The finish consists of a Barrisol seam in appearance.

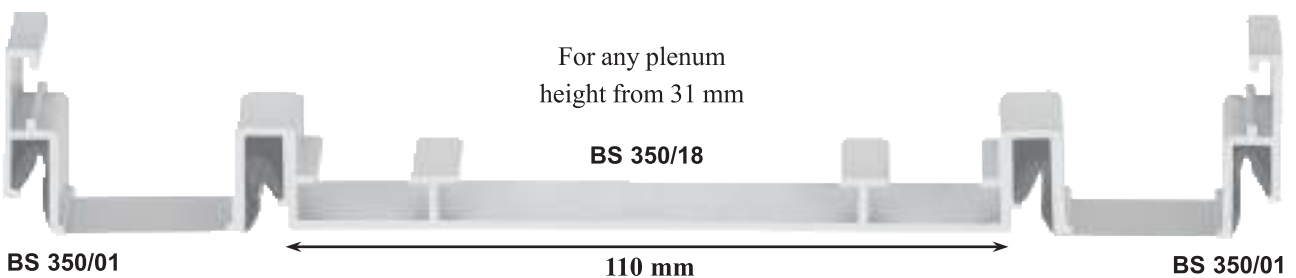


The second ceiling is inserted into the right part. Both separators together enclose the 2 ceilings.

### COMBINATION OF SEPARATOR-TECHNICAL EQUIPMENT SUPPORT OR DECOR

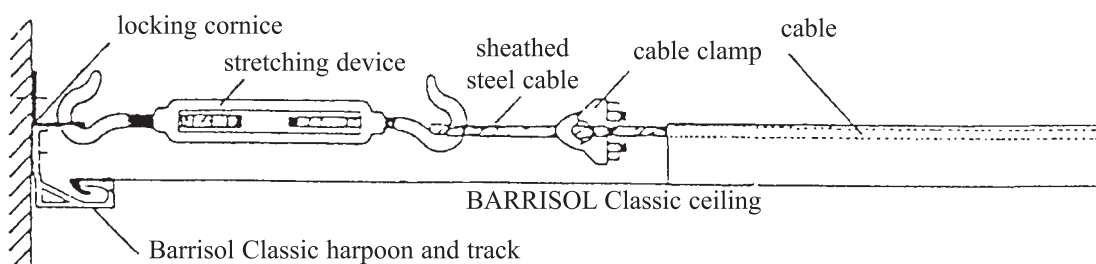


### COMBINATION OF SEPARATOR-TECHNICAL EQUIPMENT SUPPORT OR DECOR



### CEILING WITH CABLE SYSTEM

Invisible, wall-mounted large surface ceiling reinforcement



The Barrisol Classic or Barrisol Star ceiling is reinforced at each seam with a second seam positioned 25 mm above it, forming a piping in which the steel cable attached to the stretching device fixed to the wall is inserted. The stretched ceiling is levelled by stretching the cable using the stretching device. For matt and satin textures.

## LIGHT STRIP SEPARATORS (NOT AVAILABLE IN CANADA OR THE USA)

### SEPARATOR AND LIGHT SOURCE ROLLED INTO ONE

#### **BARRILEC UNO:**

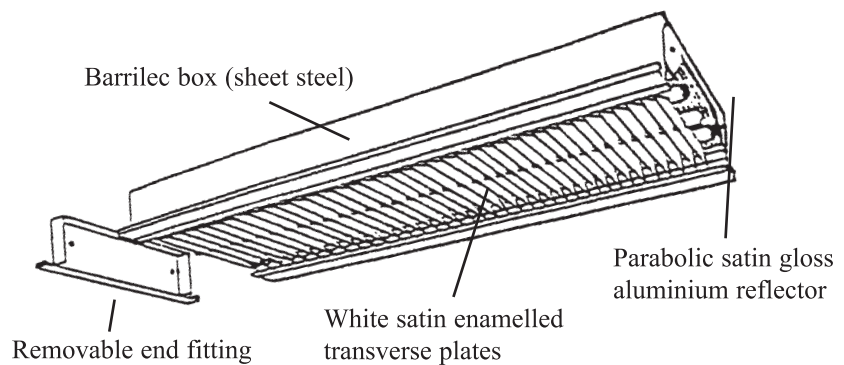
Light strip elements with built-in interlocking system, with high reflection power and low luminance.

#### 2 lengths

- 1525 x 250 x 100 mm
- 1255 x 250 x 100 mm

#### Removable end fittings

- With Barrisol Classic interlocking system
- At 2 ends of a Barrilec Uno assembly

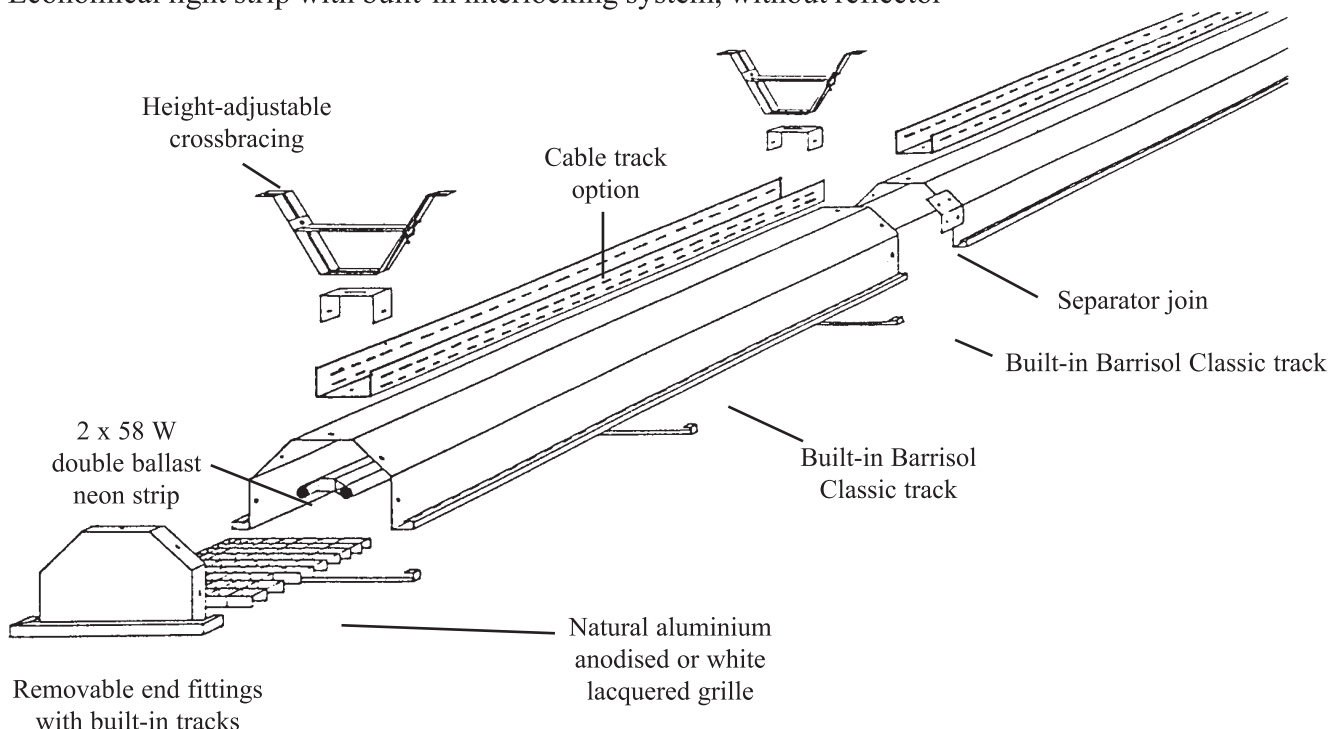


2 or more Barrilec Unos can be aligned in light strips



#### **BARRILEC ECO:**

Economical light strip with built-in interlocking system, without reflector





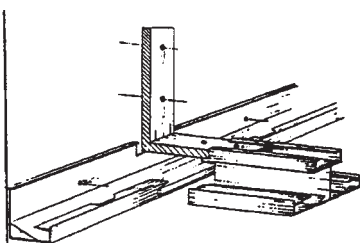
## INSTALLING STRETCH CEILINGS ON LARGE AREAS

**BARRISOL CLASSIC – BARRISOL STAR – BARRISOL TREMPO**

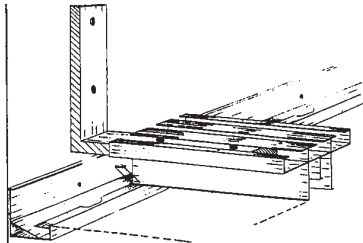
### CREATING A STABLE AND RESISTANT ASSEMBLY

Barrisol materials and techniques for large surfaces make it possible to install a stable and resistant assembly for stretch ceiling applications. The tracks are fixed over the entire perimeter to be installed. The separators are connected to the tracks on the periphery and to each other at their join. The stretch ceilings interlock in the spaces created..

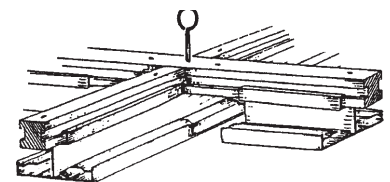
### SEPARATOR CONNECTION AND JOINING ACCESSORIES



Barrisol separator fixed on  
Barrisol Classic tracks

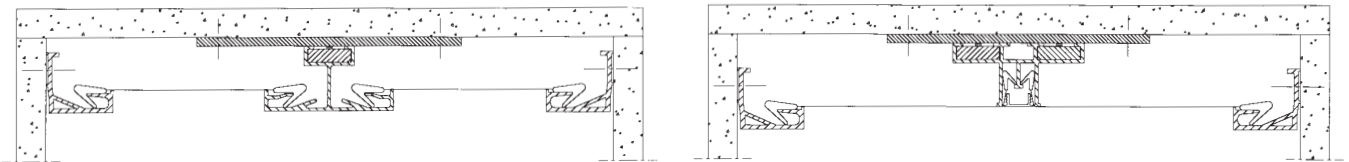


Barrisol Star separator fixed on  
Barrisol Classic tracks

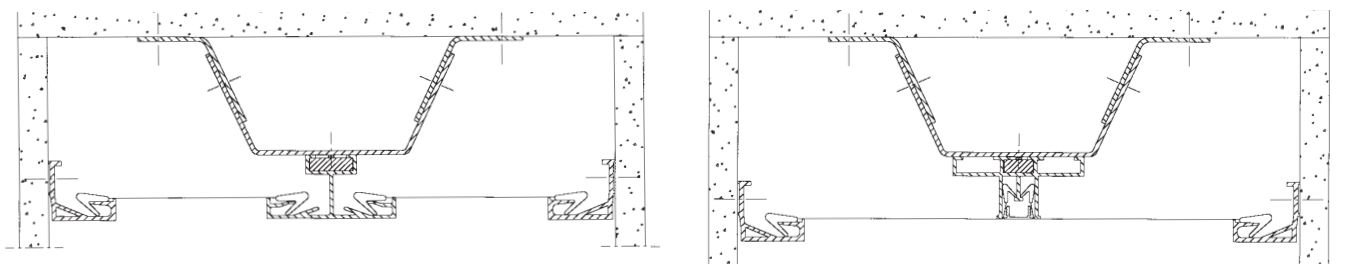


Join of 2 separators

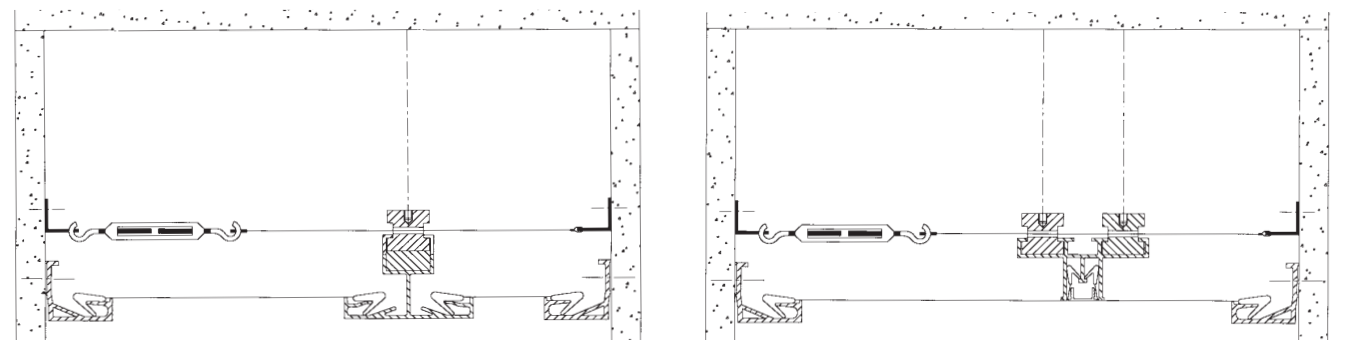
### SEPARATOR INSTALLATION ACCORDING TO PLENUM HEIGHT



Low plenum height: the separator is fixed to the ceiling



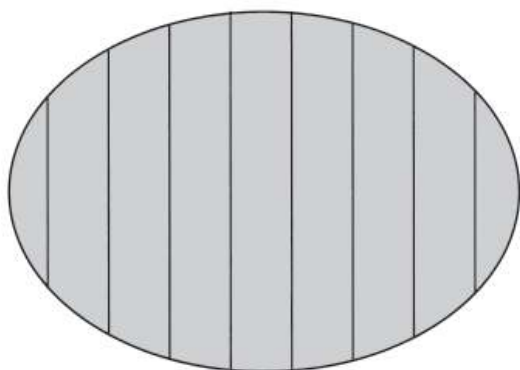
High plenum height: the separator is fixed to the ceiling, at regular intervals, with an adjustable device.



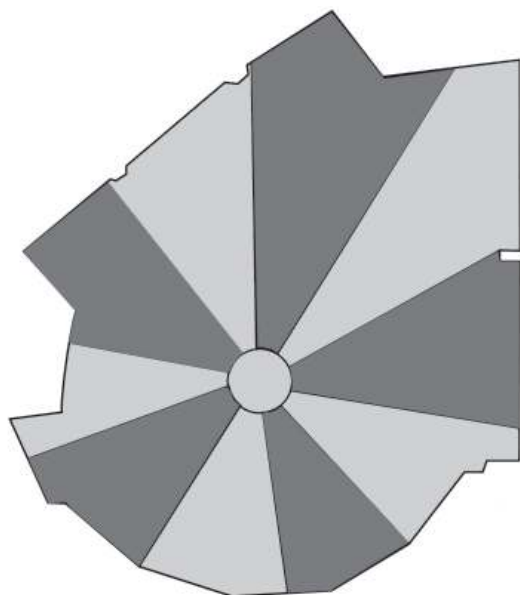
Very high plenum height: the separator is fixed at regular intervals to the ceiling with steel cables and to the wall with stretching devices.

## LARGE SURFACE DESIGN

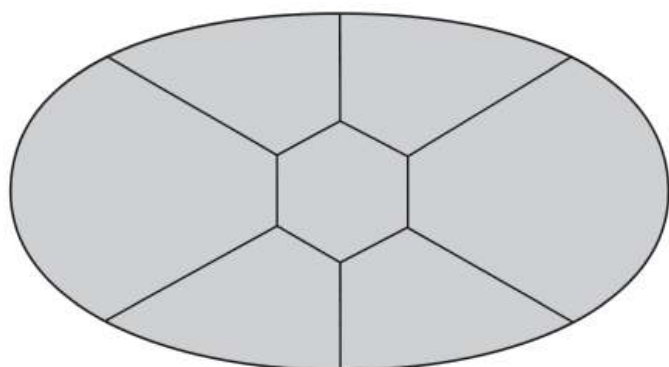
### TECHNIQUES AND AESTHETICS



650 m<sup>2</sup> Barrisol Classic ceiling in 9 parallel ceilings contained in an oval installed at Ebinger (Germany)



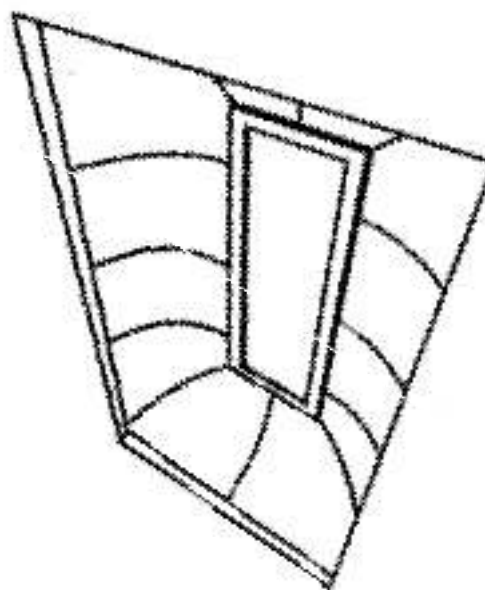
650 cm<sup>2</sup> brushed suede Barrisol ceiling, 2 colours, installed at Territet (Switzerland)



450 m<sup>2</sup> Barrisol ceiling, 30 m long, in 7 parts, installed at a height of over 10 m at Namur (Belgium)

- Separators divide a surface, of dimensions greater than Barrisol standards, into 2 or more ceilings.
- The separators form a grid, a plane or 3D geometric figure depending on the determined design and delimit the dimensions of each stretch ceiling.
- The division of large surfaces, which may form square or rectangular ceilings, may also create decorative designs.
- Geometric figures for Barrisol Classic.
- All shapes and sizes for Barrisol Star

Examples of separations of large surfaces with Barrisol Classic and Barrisol Star separators.



Stretch ceiling prototype installed at the City Hall in Compiègne (France)



## LIGHT SOURCE INTEGRATION AND SUSPENSION IN BARRISOL UNIVERSE STRETCH CEILINGS (NOT AVAILABLE IN CANADA AND THE USA)

BARRISOL TECHNIQUES ENSURE STABLE AND AESTHETIC INSTALLATION FOR ALL TYPES  
OF LIGHTING INCORPORATED IN BARRISOL UNIVERSE STRETCH CEILINGS.

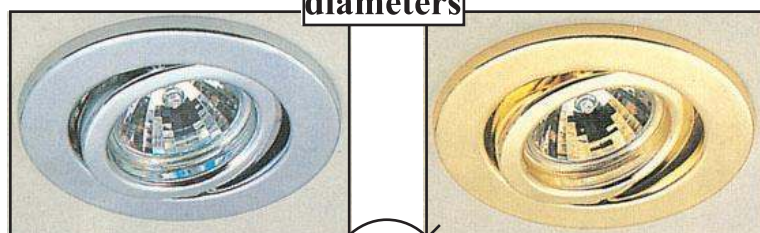
### BARRISOL UNIVERSE STRETCH CEILING SPOTS

**SPOTS COMPATIBLE WITH BARRISOL STRETCH CEILINGS:**  
BARRISOL SPOTS and, as a general rule, **ADJUSTABLE SPOTS < 50°C**  
**5 W MINI-SPOTS, IODIDE SPOTS, OPTICAL FIBRES.**

#### BARRISOL

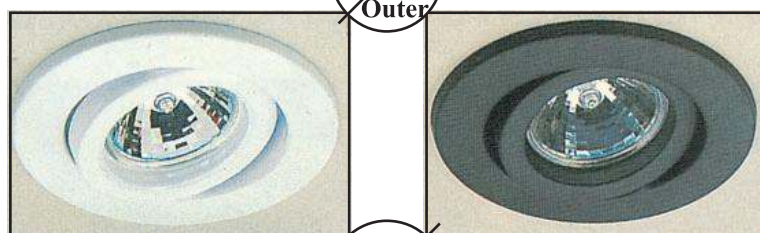
**In 2  
diameters**

#### SPOTS



silver chrome

gold chrome



white

black

Spots tested  
for their compatibility with Barrisol stretch ceilings.

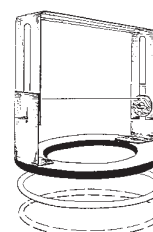
and approved

#### BARRISOL SPOTS

- Do not transmit their heat to Barrisol stretch ceilings
- Do not overheat the plenum
- Technical characteristics
  - adjustable
  - halogens
  - intensity 12 V
  - power < 50 W
  - 50 mm diameter glass bulb

#### INSTALLATION

Spots are installed in Barrisol stretch ceilings using Barrisol spot supports.



#### OTHER SPOTS

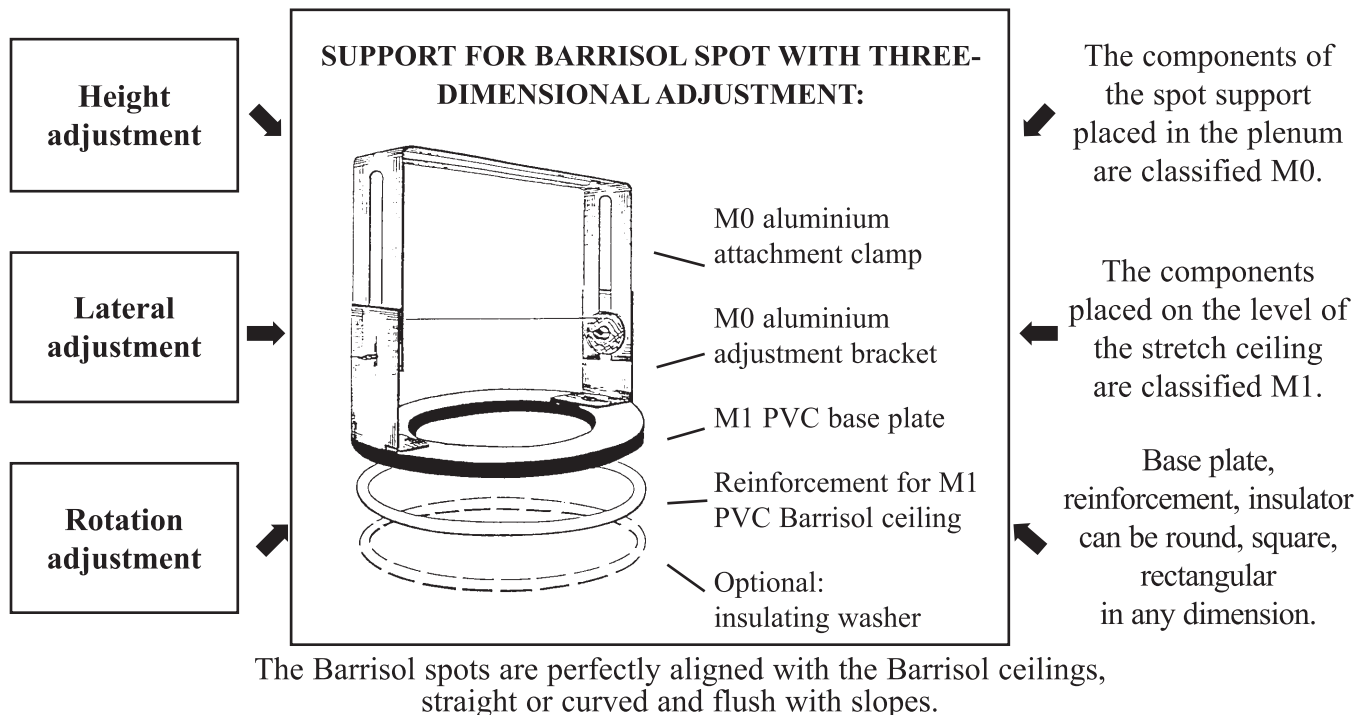
Spots from 50 to 60 °C must have an insulator inserted between the spot plate and the Barrisol stretch ceiling.

#### INCOMPATIBLE SPOTS

Spots > 60 °C.

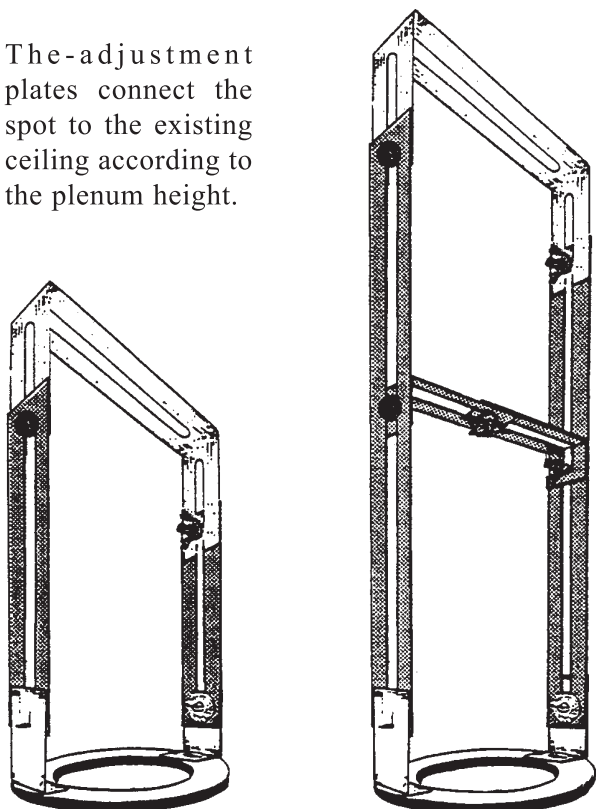
## BARRISOL SPOT INSTALLATION TECHNIQUES

BARRISOL STRETCH CEILING SPOTS ARE CONNECTED TO THE EXISTING CEILING USING THE PATENTED BARRISOL SPOT SUPPORT



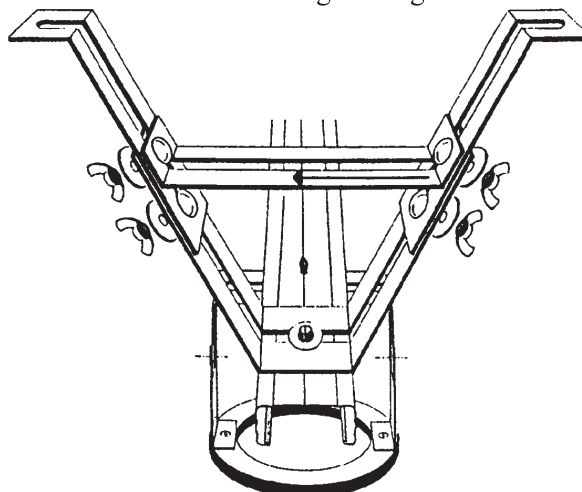
### ADJUSTABLE BARRISOL SPOT SUPPORTS AT ANY PLENUM HEIGHT

The adjustment plates connect the spot to the existing ceiling according to the plenum height.



Combined attachment of several spots for high heights

Barrisol spot supports placed on rails fixed at regular intervals, using adjustable crossbracing, to the existing ceiling.



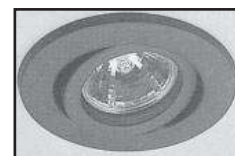
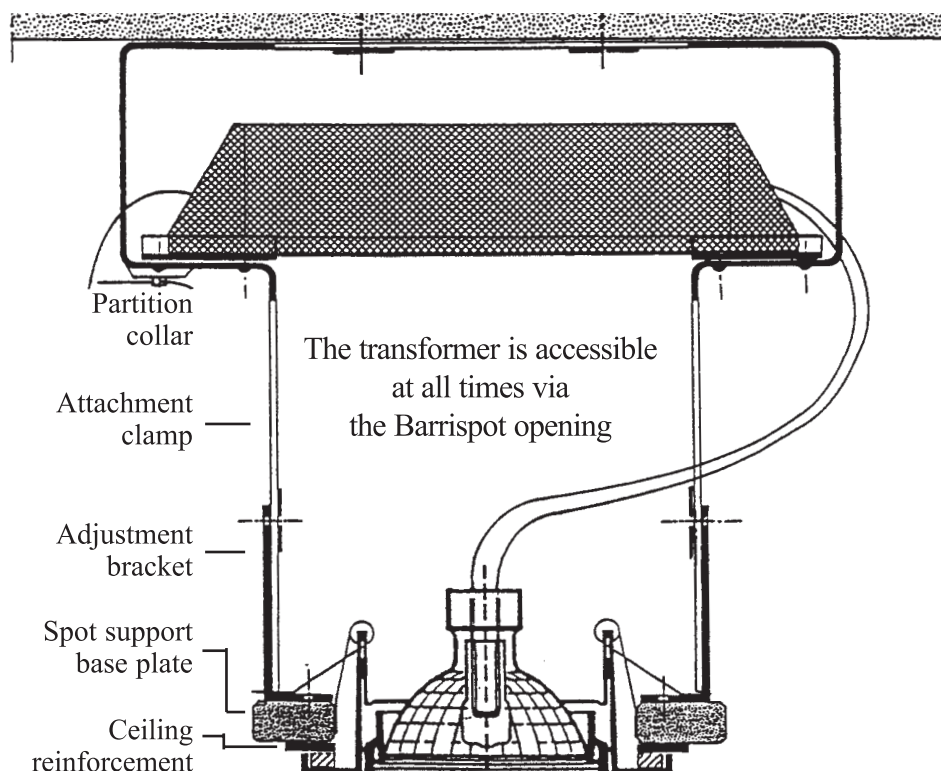


## THE BARRISPOT SYSTEM (NOT AVAILABLE IN CANADA OR THE USA)

### SAFETY AND QUICK INSTALLATION

THE BARRISPOT, SPOT, SPOT SUPPORT, TRANSFORMER, ROLLED INTO ONE.

The spot support, which connects the spot to the existing ceiling, is cradle-shaped to receive the transformer.



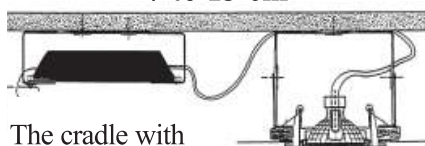
#### Technical characteristics:

- 12 Volt transformer with thermal protection
- Class II
- Adjustable 12 Volt halogen spot, outer diameter 110 mm – inner diameter 90 mm, 50 mm diameter glass bulb, spot colours: silver chrome, gold chrome, white, black
- Transformer and spot can be connected to 220 V

In the event of power surges,  
the transformer stops immediately.

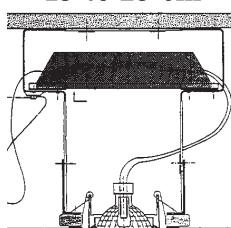
### BARRISPOTS AT ANY PLENUM HEIGHT

**7 to 13 cm**



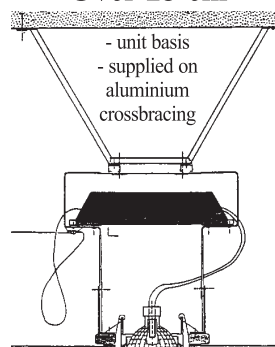
The cradle with its transformer are placed next to the Barrispot in the desired direction and connected to each other.

**13 to 25 cm**

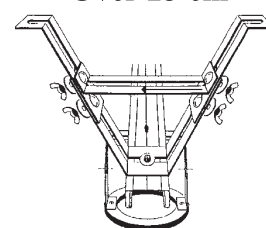


The Barrispot is installed directly onto the existing ceiling.

**Over 25 cm**



**Over 25 cm**

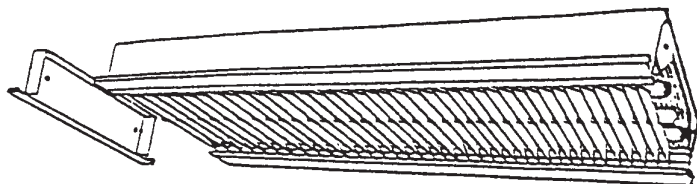


For several Barrispots on zinc-coated rails and crossbracing.

## BARRISOL LIGHT BOXES (NOT AVAILABLE IN CANADA OR THE USA)

READY TO INSERT INTO BARRISOL CLASSIC AND BARRISOL STAR CEILINGS

### BARRISOL UNO LIGHT with class C optical unit



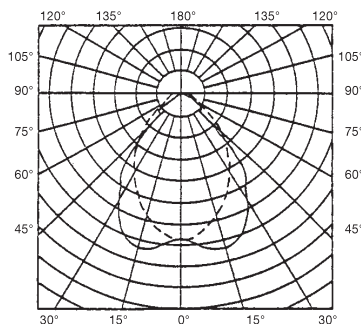
- Barrilec box made of white steel plate with built-in Barrisol Classic tracks for direct interlocking of Barrisol ceilings
- Satin gloss aluminium parabolic reflectors brightened glossy with high reflection power and low brightness.

#### Polar diagram light intensity distribution

Standardised output  
of 0.6 l light

DIN 5040	A60
UTE C 71-121	0.61 + 0.00 T
NBN L 14-002	BZ 2
CIBSE TM5	BZ 1
CIE Flux Code	69 93 99 100 61

C 0 - C 180  
C 90 - C 270



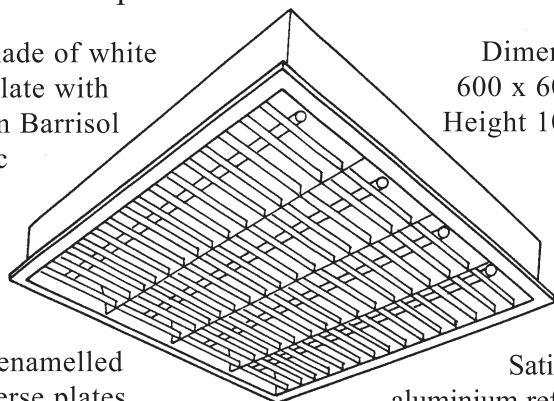
### BARRISOL DUO LIGHT BLOCK with class C optical unit

Box made of white steel plate with built-in Barrisol Classic tracks

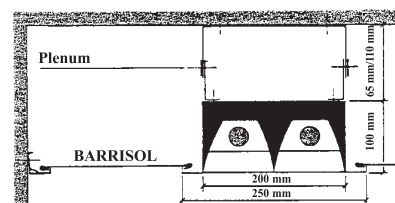
Dimensions:  
600 x 600 mm  
Height 100 mm

Satin white enamelled transverse plates

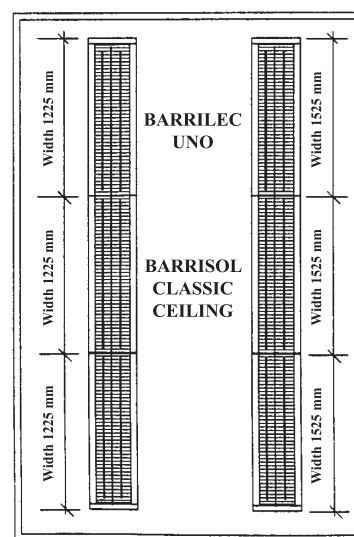
Satin gloss aluminium reflectors



The reflection power of the optical unit is reinforced with additional parabolic reflectors above the neon tubes.



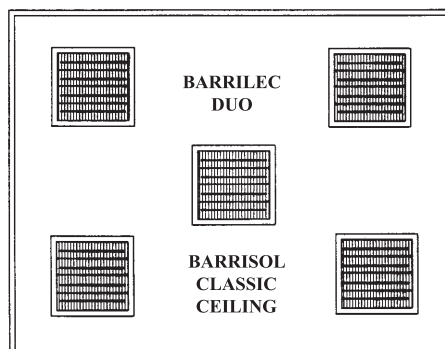
Installation (sectional view)



Stretch ceiling interlocked on the periphery of the Barrilec Uno units and the room.

#### Technical characteristics of Barrilec Duo lights

wiring: 220 Volts with starter  
ballast: 230 Volts - 50 Hz compensated capacitors: 250 Volts 9  $\mu$ Farad  
tubes: 4 x 18 Watts, 26 mm diameter

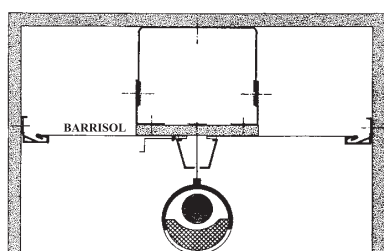


Stretch ceiling interlocked on the periphery of the Barrilec Duo units and the room.

## LIGHTS AND LIGHT SUPPORTS

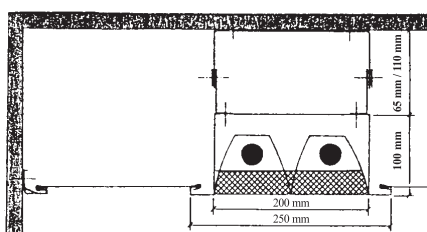
### SUSPENDED, EMBEDDED, INSERTED IN BARRISOL UNIVERSE STRETCH CEILINGS

#### SUSPENDED LIGHT



- adjustable support in plenum
- ceiling passage reinforcement

#### EMBEDDED LIGHT



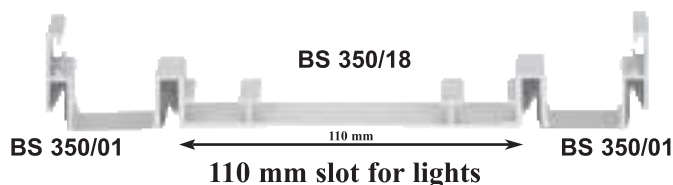
- light suspended by adjustable support
- stretch ceiling in tracks built into light

#### REMOVABLE LIGHT SUPPORT DEVICE

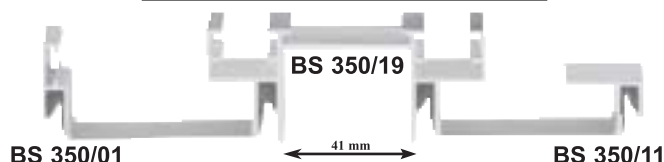


- track fixed onto aluminium rail
- T-connection used to install light

#### LIGHT SUPPORT SEPARATOR

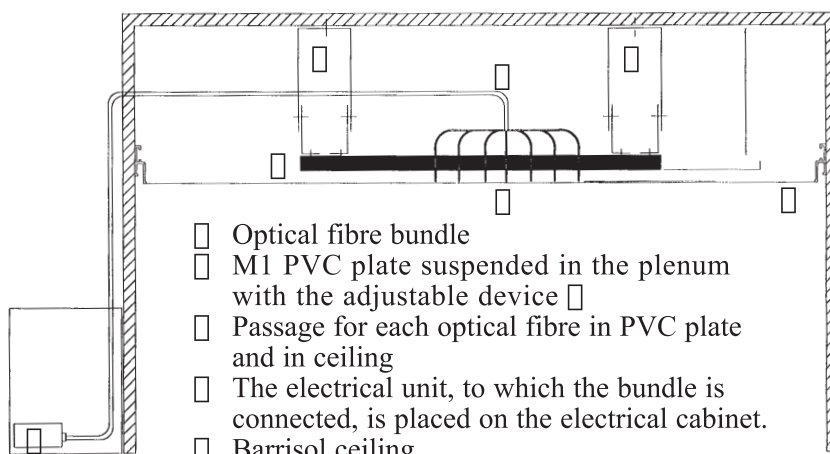


#### SPOT SUPPORT SEPARATOR

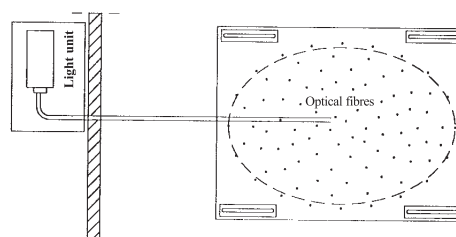


The rail may be machined to install small spots.

#### OPTICAL FIBRE INSTALLATION

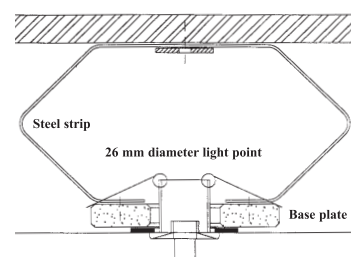


- Optical fibre bundle
- M1 PVC plate suspended in the plenum with the adjustable device □
- Passage for each optical fibre in PVC plate and in ceiling
- The electrical unit, to which the bundle is connected, is placed on the electrical cabinet.
- Barrisol ceiling

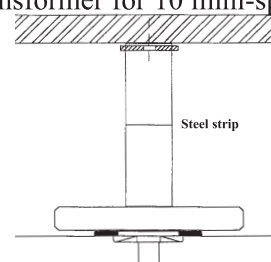


Optical fibres (top view)

#### INSET BARRISOL 26 mm DIAMETER MINI-SPOTS



- mini-spot and its attachment and adjustment system in Barrisol ceiling
- 1 transformer for 10 mini-spots

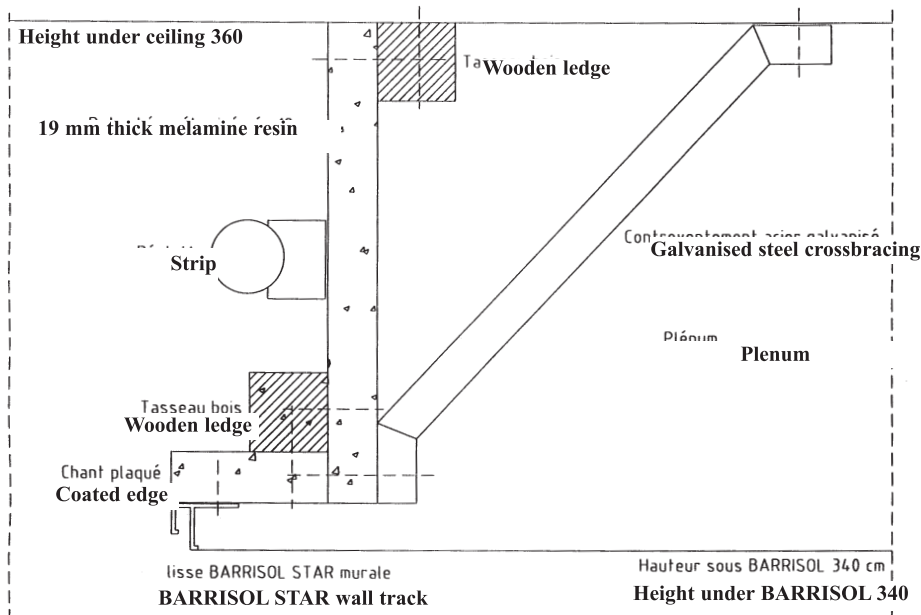


- 26 mm diameter, 5 W light point
- reinforced passage in stretch ceiling

## 3D LIGHTING

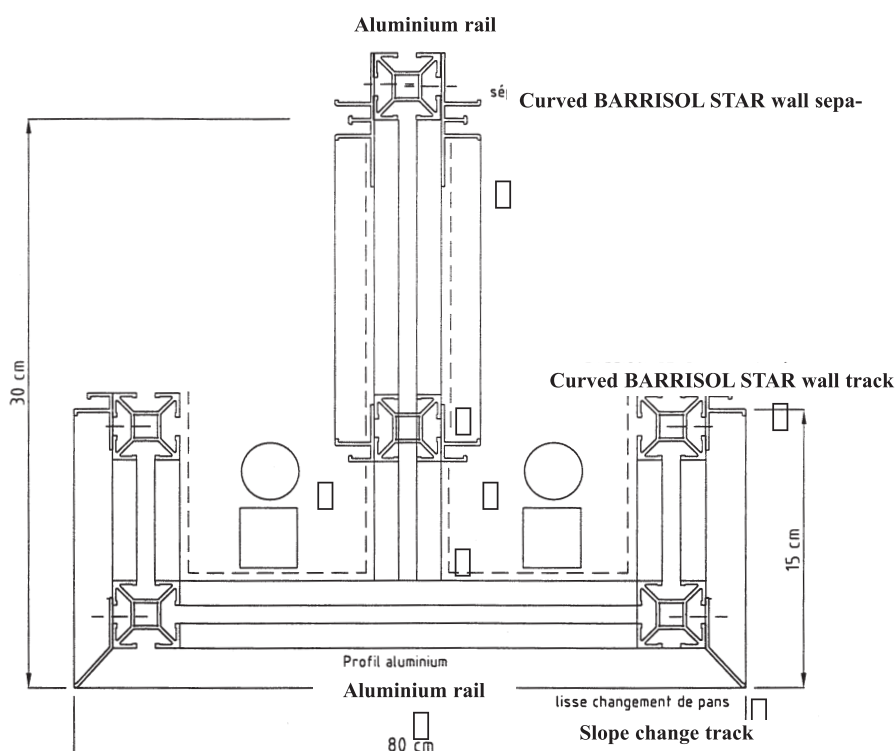
BARRISOL STAR FABRIC LININGS COVER THE INDIRECT MOUNTED LIGHTS.

### WOODEN FRAMEWORK MOUNTED LIGHTS ON ROOM PERIPHERY



The Barrisol Star wall lining is stretched in the Barrisol Star track on the underside of the foot light, up to its end. The light is visible on the periphery, above the Barrisol Star ceiling.

### CENTRAL MOUNTED LIGHT WITH SYMA M0 ALUMINIUM FRAMEWORK

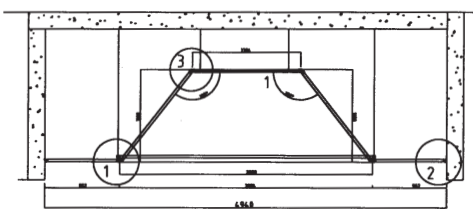


The Syma aluminium rails form the framework, combined with curved Barrisol Star wall tracks, with Barrisol slope changing rails, with the curved-Barrisol Star separator. A screen fabric is stretched inside the framework. The outside is equipped with Barrisol Star wall lining. The neon strips are installed inside the framework.

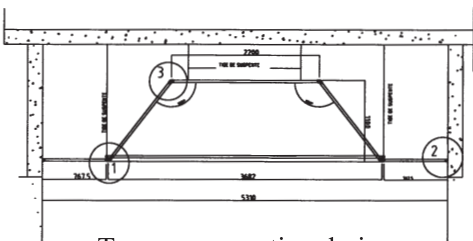


## SIMULATED GLASS ROOF

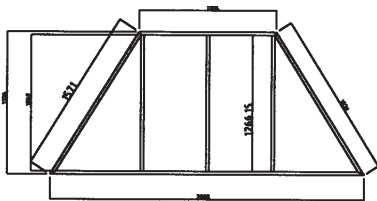
### DETAILS OF "GLASS ROOF"



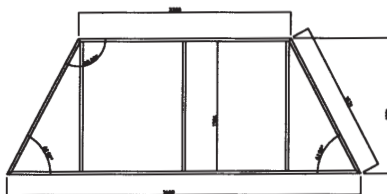
Longitudinal sectional view



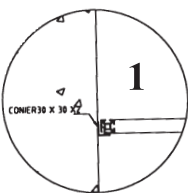
Transverse sectional view



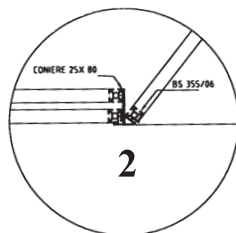
Transverse detailed view of frame



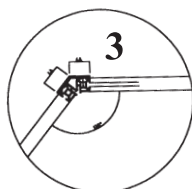
Longitudinal detailed view of frame



Outer  
periphery

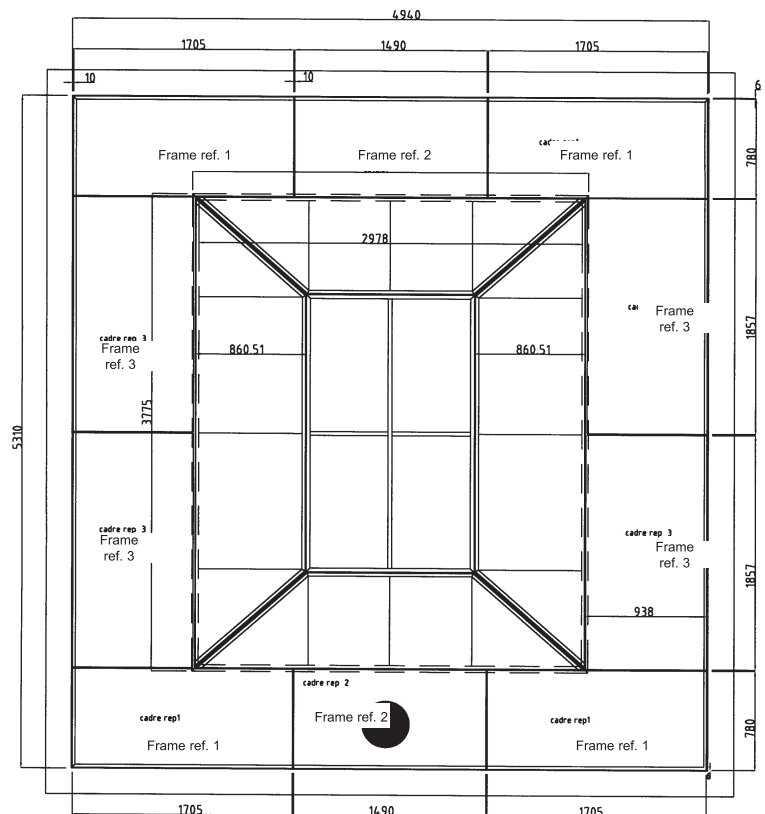


Inside of "  
glass roof"



Frame  
joins

### GLASS ROOF CREATION WITH TRANSLUCENT BARRISOL STAR LIT BY A HIGHER LIGHT SOURCE



- Installation of a Syma rail aluminium frame enables the volume effects, with built-in Barrisol Star interlocking system.
- Translucent Barrisol Star stretch ceilings inserted into the Syma frame.
- Crossed stiffeners at the rear of the translucent Barrisol Star to simulate the glass roof.
- Lighting installed above the "glass roof".

Architect: Michel Laurent

- GLOBE -

## BARRISOL FOR ALL LIGHTING TYPES

BARRISOL TECHNIQUES AND ACCESSORIES MAKE IT POSSIBLE  
TO INSTALL AND ENSURE THE STABILITY OF ALL LIGHTING TYPES  
IN BARRISOL UNIVERSE STRETCH CEILINGS



### BARRISOL UNIVERSE STRETCH CEILINGS INCORPORATE:

Lights and suspensions

Mounted spots

Inset electrical rails

Optical fibres

Suspended lights

Suspended flood lights

Spots complying with Barrisol standards

Suspended electrical rails

Suspended light structures

Inset lights

Light strips

Iodide spots, etc.



## EXAMPLE OF PROJECTS



Pietro GIORDANO, Architect



Architect office RTKL



Christopher JONES, RTKL



Dalena CERMAKOVA, Architect



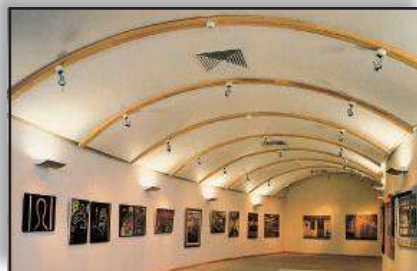
Daniel HULAK, Architect



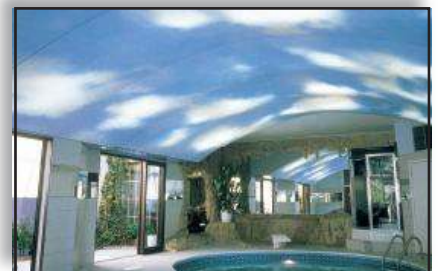
Hubert PENICAUD, Architect



Creation : Angel MORETTA



Netanel BEN-IZCHAK, Architect



MATTIA Design



S. GODIN, MORENCY Group



Ferdi NIEDERSTEIN & Yves MEYER

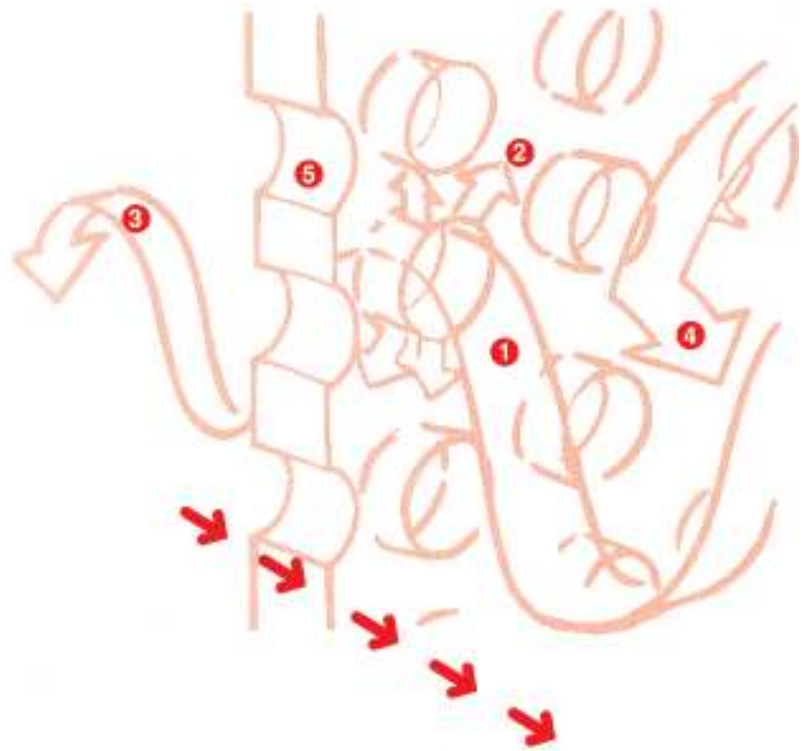


Yves DURAND, S.T.D.E. 2A



**BARRISOL®** *MICROSORBER®*

BARRISOL® MICROSORBER® is a special resonance absorber also called a microperforated sound absorber. From a physical point of view, this type of absorber acts in a way which is both fascinating and effective: the microperforations convert sound energy into heat energy. The viscous friction of air in the holes is reinforced by resonance in the volume of air trapped between the material and the rear wall, which generates the impressive acoustic properties of this microperforated sound absorber.



- 1 Sound
- 2 Conversion of the sound into heat energy
- 3 Reduced sound
- 4 Reflected sound
- 5 BARRISOL® MICROSORBER®

Many factors affect room acoustics. Apart from the shape of the room, it is essentially the characteristics of furnishings such as the materials used for the floor, walls and ceiling which determine how sound is propagated in the room. The dimensions and positions of sound-absorbing areas and also those which reflect sound are essential factors which determine whether room acoustics are "good" or "bad". "Good" acoustics means that the acoustic conditions are appropriate for the use to which the room is put. It is clear that a concert hall needs a different set of acoustics from those of a church or a large office.

Theoretically, every room can be structured to provide optimal acoustics for its use. The shape and dimensions of the room are as important when designing acoustics, as is the choice and positioning of materials for the interior and other types of equipment. In practice, however, there is often only a single solution to regulate room acoustics, which is to change the material used for the ceiling and walls. Sound absorbing materials such as BARRISOL® MICROSORBER® or other BARRISOL acoustic products are used for targeted adjustment of sound absorption and the room reverberation time.



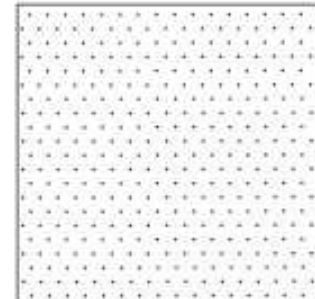
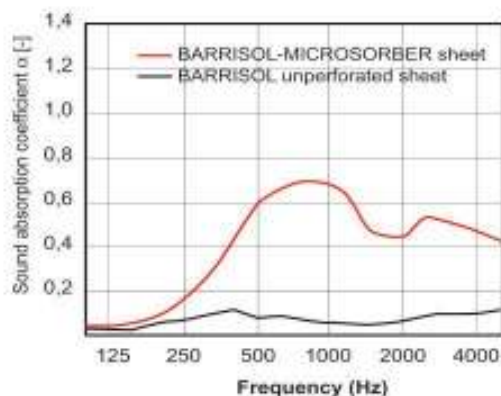


## BARRISOL UNPERFORATED AND BARRISOL MICROSORBER +ACOUSTIC TEST RESULTS



Architect : Netanel BEN IZCHAK

### • BARRISOL unperforated sheet without insulation and BARRISOL-MICROSORBER without insulation



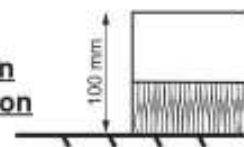
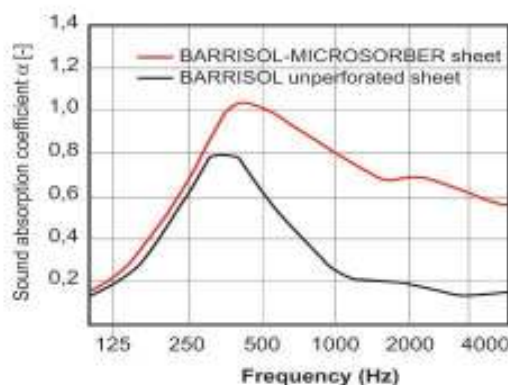
Quantity of holes: 250 000 holes/sqm  
Diameter of a hole :  $\approx 0,2$  mm  
Perforation rate:  $\approx 0,8$  %  
Thickness:  $\approx 0,17$  mm  
Reference : 036 + ref. of the colour

#### Acoustic absorption rating

Sound Absorption Average according to ASTM C 423-01  
Noise Reduction Coefficient according to ASTM C 423-1  
Weighted sound absorption coeff. according to EN ISO 11654  
Sound Absorber class according to EN ISO 11654

SAA = 0,07  
NRC = 0,05  
 $\alpha_w = 0,10$   
not classified

### • BARRISOL unperforated sheet with insulation and BARRISOL-MICROSORBER with insulation



Rock wool :  
Weight : 0,52 kg/sqm  
 $\tau = 7,4$  kNsm<sup>2</sup> on floor

#### Acoustic absorption rating

Sound Absorption Average according to ASTM C 423-01  
Noise Reduction Coefficient according to ASTM C 423-1  
Weighted sound absorption coeff. according to EN ISO 11654  
Sound Absorber class according to EN ISO 11654

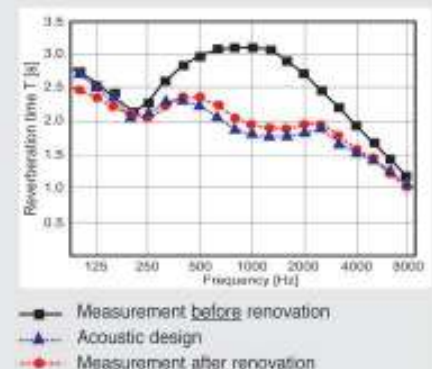
SAA = 0,42  
NRC = 0,40  
 $\alpha_w = 0,25$   
Class E

### Example of installation



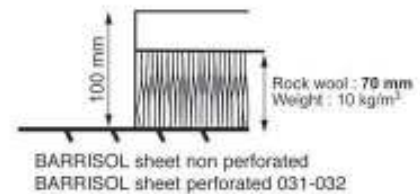
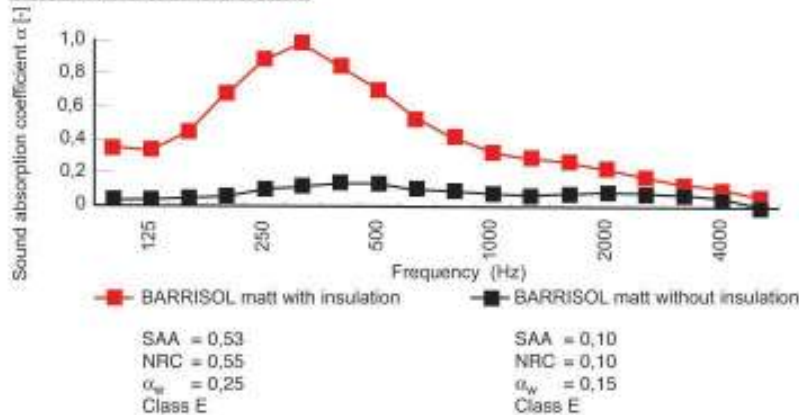
Architect : Mr BEHDER

In its original condition, the "Herrensaal" in the nave of St. Petri's Church composed mainly of resounding surfaces such as plaster, glass and wood. Experience has shown that an absorbing effect can only be expected in the deep frequency range with glass façades and wooden surfaces. The aim of the acoustic concept was thus a significant reduction in the reverberation time as well as a smoothing-out of its frequency dependence. The particular advantage of Barrisol® - Microsorber® sheeting lies in the fact that the degree of absorption can be adjusted precisely to the requirements of the respective room through the choice of distance between the sheeting and the rear wall. In this project, this gap was chosen to be 70 mm. So three panels of 12sqm have been used.

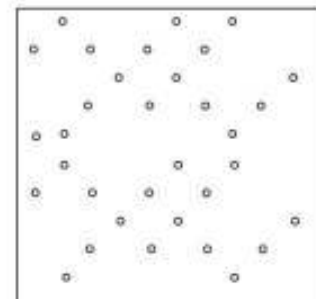
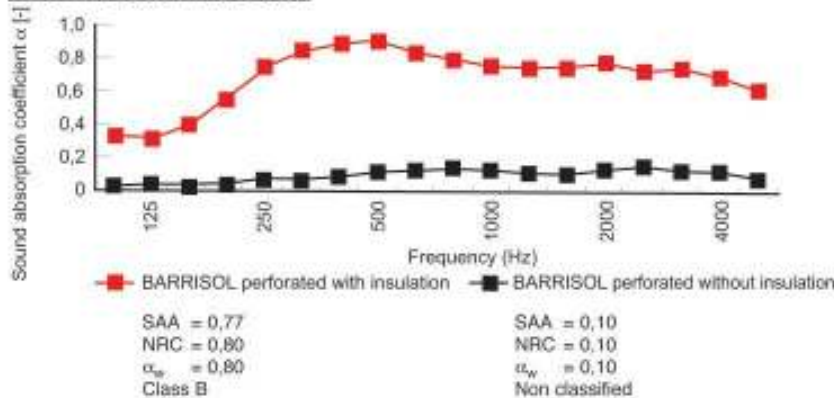


## BARRISOL UNPERFORATED AND BARRISOL PERFORATED +ACOUSTIC TEST RESULTS

### • BARRISOL matt sheet unperforated with and without insulation

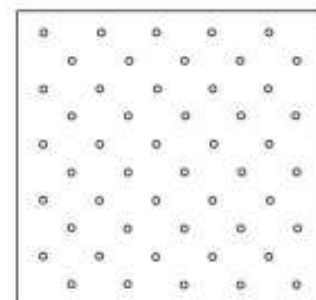
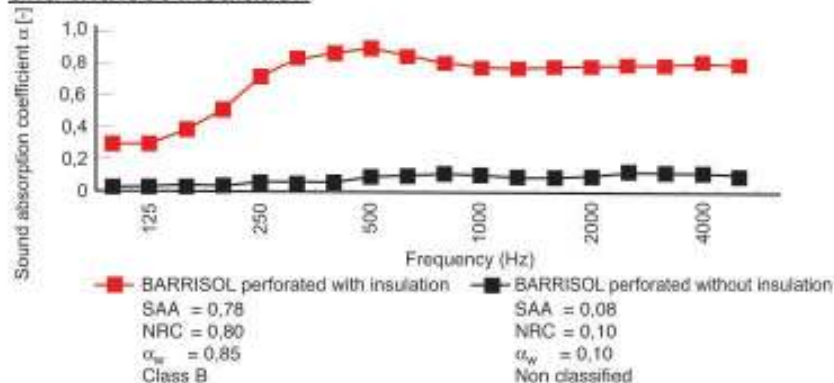


### • BARRISOL perforated sheet 031 with and without insulation



Quantity of holes : 10 000/sqm  
 Diameter of a hole :  $\approx$  1 mm  
 Perforation rate :  $\approx$  4 %  
 Thickness :  $\approx$  0,17 mm  
 Reference : 031 + ref. of the colour

### • BARRISOL perforated sheet 032 with and without insulation



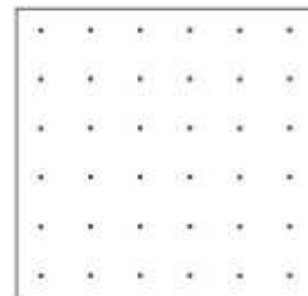
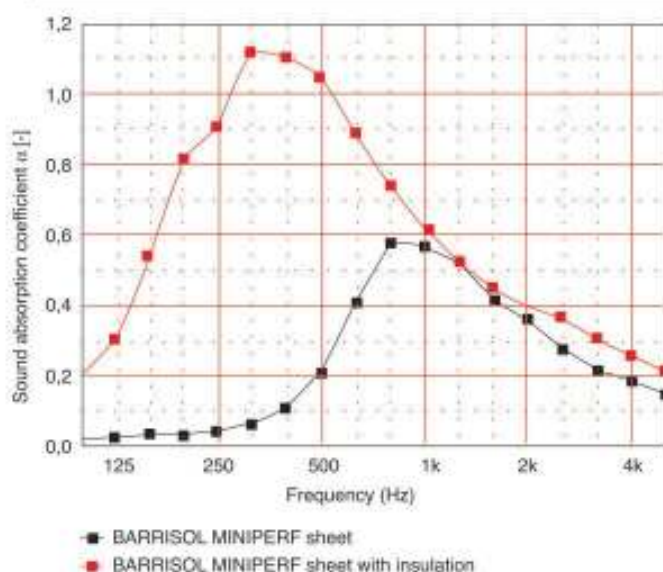
Quantity of holes : 50 000/sqm  
 Diameter of a hole :  $\approx$  1 mm  
 Perforation rate :  $\approx$  20 %  
 Thickness :  $\approx$  0,17 mm  
 Reference : 032 + ref. of the colour

## BARRISOL MINIPERF +ACOUSTIC TEST RESULTS

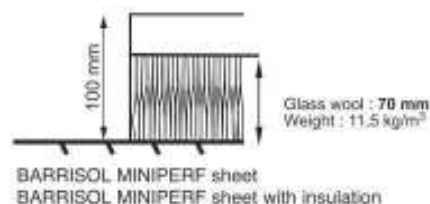


Architect : Aydin SESIGUR

### • BARRISOL MINIPERF sheet with and without insulation



Quantity of holes 4 000 hole/sqm  
Diameter of a hole :  $\approx 0,5$  mm  
Perforation rate :  $\approx 0,5$  %  
Thickness : 0,30 mm  
Reference 037 + ref. of the colour



#### Acoustic absorption rating

Sound Absorption Average according to ASTM C 423-01 SAA = 0,30  
Noise Reduction Coefficient according to ASTM C 423-01 NRC = 0,30  
Weighted sound absorption coeff. according to DIN EN ISO 11654  $\alpha_w$  = 0,30  
Sound absorber class according to DIN EN ISO 11654 Class D

Sound Absorption Average according to ASTM C 423-01 SAA = 0,75  
Noise Reduction Coefficient according to ASTM C 423-01 NRC = 0,75  
Weighted sound absorption coeff. according to EN ISO 11654  $\alpha_w$  = 0,40  
Sound absorber class according to EN ISO 11654 Class D



## **PART 1- GENERAL**

### **1.01 RELATED DOCUMENTS**

- A.** Drawings and general provisions of the Construction Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to work of this Section.

### **1.02 SUMMARY**

- A.** This Section includes stretched membrane ceiling systems complete with accessories for interior installations.
- B.** Related Sections:
  - 1. Division 1 – Section Alternates
  - 2. Division 16- Section Electrical for additional or larger size wires, as required to properly support lighting fixtures to be furnished and installed by the Electrical Contractor.

### **1.03 REFERENCE STANDARDS**

- A.** Requirements, abbreviations and acronyms for reference standards are defined in Section 01095.
- B.** Fire Rating: BARRISOL stretched ceiling shall have a fire hazard of Class I in the USA within the requirements of the ASTM E84 Flame Spread Test.
- C.** Other Testing: BARRISOL stretched ceiling shall successfully meet criteria for: UBC 17-5 Room Fire Test Standard, N.Y.S. Pittsburgh Protocol Toxicity Test City of New York Building Department.
- D.** Stretched ceiling system must be UL approved.

### **1.04 QUALITY ASSURANCE**

- A.** The work of this section shall be performed by a company which specializes in the type of stretched ceiling system required by this project, with a minimum of 5 years documented successful experience and shall be performed by skilled workmen thoroughly trained in the necessary craft. Work shall be performed in compliance with Owner's insurance underwriters' requirements and UL Approvals and Testing for materials, assemblies and procedures.
- B.** The membrane shall be stretched over the subsurface and hooked into the BARRISOL rails without glue or clips.
- C.** The stretch ceiling membrane shall be removable by hand and approved tools for visible inspection, to provide access above the stretched membrane, and to provide for subsequent re-installation.
- D.** The membrane shall not be less than 17/100 mm thick and shall not have a weight of more than 35g per square foot for all finishes except Brushed Suede.
- E.** Brushed Suede membrane shall not be less than 35/100 mm thick and shall not have a weight of more than 35g per square foot.
- F.** The width of sheeting between two factory welds shall not be less than 5'6".
- G.** All membranes / sheets (except brushed Suede) shall be washable.

**1.05 SUBMITTALS**

- A. Product Data: Shall be clearly marked to indicate all technical information which specifies full compliance with requirements of this Section, Contract Documents, and the manufacturers' published installation recommendations, including but not limited to the following: samples and printed materials.
- B. Dealer Certification: Submit in writing the manufacturers' certification.
- C. Warranty: Submit manufacturers' limited warranty against defects in product, harpoon welds, sheet welds and colorfastness for a period of two years and workmanship for a period of ten years.
- D. Samples for Initial Selection Purpose: Submit samples of all standard colors and finishes for membranes and rails.
- E. Samples for Verification Purpose: Submit 6" square samples of each type and color of membrane and rails specified.
- F. Certified Test Reports: Submit test data from an independent testing agency, acceptable to authorities having jurisdiction, evidencing that ceiling assembly comply with requirements indicated for fire performance characteristics.

**1.06 PROJECT CONDITIONS**

- A. Do not begin installation until spaces to receive stretched ceilings have been enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead mechanical and electrical work is completed, tested and approved.
- B. Permit wet work to dry prior to commencement of installation.
- C. Maintain uniform temperatures and humidity prior to, during and after installation.
- D. The ceiling cavity must be airtight.
- E. If a ventilation system is used, air intakes and outlets must have the right dimensions to be correctly balanced.

**1.07 COORDINATION**

- A. Coordinate layout and installation of ceiling system with other construction that penetrates the ceiling or is supported by them, including light fixtures, HVAC, fire suppression system, and partition assemblies.

**1.08 STORAGE AND HANDLING**

- A. Store all materials off the ground and protected from dirt and dust of construction operations.
- B. Materials are to be acclimated to installation conditions for 48 hours prior to installations.
- C. Handle all materials in a manner that will protect them from damage.



## PART 2- PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURERS

- A. The BARRISOL Stretch Ceiling as manufactured by BARRISOL Normalu S.A., 68680 Kembs, France (or manufactured under license). For the authorized licensed dealer in your area contact:

**BARRISOL USA**  
23940 Miles Road  
Cleveland, Ohio 44128  
216.662.8864  
216.475.2802 Fax

**BARRISOL USA**  
2741 Satsuma, # 106  
Dallas, Texas 75229  
972.484.9683  
972.484.9685 Fax

[www.barrisolusa.com](http://www.barrisolusa.com)

### 2.02 COMPONENTS

- A. Stretch PVC (polyvinyl chloride base, guaranteed cadmium free) membrane-ceiling sheet: A ceiling membrane will be custom produced according to exact field measurements. The membrane will be connected together by factory welds to achieve the appropriate size. The Architect to select one of the following:
1. Finishes:  
Matt, Satin, Lacquer, Translucent, Metallic, Brushed Suede, Perforated finish (1 mm available in all finishes, 4 mm available in matt and lacquer finishes, and 10 mm available in special matt finish 36/100 mm only). Antibacterial (available in white matt except by special order), Special Anti-static sheet (available in white lacquer except by special order).
- B. Harpoon: A semi rigid PVC harpoon (depending on rail type selected) is welded at the factory onto the perimeter of the ceiling membrane. Specify harpoon to be white or black.
- C. Seams / Welds: the seams will be lapped and factory welded. The seam location to be specified by the architect.
- D. Rails: Specify one of the following :
1. BARRISOL visible rails, PVC or Aluminium. Note PVC invisible rails do not meet the intent of this specification.
  2. BARRISOL STAR concealed rails, Aluminium.
- E. Rings: Reinforcement rings in Class A PVC available in the shape and size to fit light fixtures, sprinkler heads, HVAC, smoke detectors, etc.
- F. Acoustical Materials: Can be installed above the BARRISOL ceiling but not on it. This acoustical material must meet the requirements of the acoustical specialist and comply with the requirements of the Contract Documents.
- G. Acoustical BARRISOL: BARRISOL ceiling can be acoustical in its microperforation version with 20000 holes /sqft. / Test available on request).



## **PART 3- EXECUTION**

### **3.01 SURVEY**

- A.** Install BARRISOL Stretch Ceiling System in accordance with approved submittals, reflected ceiling plan in Architectural Drawings, manufacturer's published recommendations and Contract Documents.
- B.** Examine the condition of the installation site and the conditions. Notify the Contractor or Architect in writing of any unsatisfactory conditions. Do not proceed with the work until such conditions have been corrected in a manner satisfactory to the BARRISOL installers.
- C.** Survey the installation site for exact field measurements for custom production of the ceiling membrane. Take actual field measurements for each ceiling.
- D.** Inspect each space which is to receive wall fixed mounted rails. The surface where the rails will be fixed must be smooth, flat, and finished prior to installation of the rails.
- E.** The stretched ceiling should only be installed if the wet work is completed and dry, the space is enclosed weather tight and dustfree, all painting and wall covering is completed and dry, the work of other trades is completed included electrical work, sprinkler systems, HVAC, etc.....

**K40 SUSPENDED CEILINGS**  
**BARRISOL – BARRISOL STAR**  
**To be read with Preliminaries / General conditions**

**TYPE(S) OF CEILING****116 STRETCH CEILINGS**

Location: -	Site as specified
Setting Out: -	As indicated on drawings
Structural Soffit(s): -	As indicated on drawings
Type: -	BARRISOL membrane sheet with supporting trims
Manufacturer: -	Normalu SA, Kembs, France
Installer: -	Stretch Ceilings (UK) Ltd. Tel:01344 628811, Fax 01344 628188 Email: info@barrisol.co.uk
Colour: -	Specify from Barrisol colour card incl. ref. no.
Finish: -	Matt/Satin/Lacquer/Metallic/Translucent/Perforated/Suede
Sheet: -	Material to be confirmed as complying with BS476 parts 6&7 class “O”, plus Part 12, BS2782 and Euro classification EN13501-1. Panel width before seams to be min. 1.62m all finishes, or 2.2m Matt White, or 2.0m Translucent installed as option. Matt or Satin finishes should be a smooth finish not textured or granulated
Track (choice): -	Star Track (semi concealed) Aluminium – B350/01, 350/11, B350/16 without cover bead OR Classic Track (exposed) PVC White – B301, B350/03
Profile: -	As indicated on drawings. Shapes and forms to be within manufacturers guidelines
Support system: -	Typical suspension for double rail using galvanized MF system or similar
Service Fittings: -	As indicated on drawings
Accessories: -	As indicated on drawings
Vapour Barrier: -	Sheet to comply with BS3177 vapour test

**K40 SUSPENDED CEILINGS**  
**BARRISOL TILES****To be read with Preliminaries/ General conditions**

## TYPE(S) OF CEILING

**116 STRETCH CEILINGS**

Location: -	Site as specified
Setting Out:-	As indicated on drawings
Structural Soffit(s): -	As indicated on drawings
Type: -	BARRISOL CEILING TILES 60 cm x 60 cm or 60cm x 120cm or up to 2 m x 2 m
Manufacturer: -	Normalu SA, Kembs, France
Installer: -	Stretch Ceilings (UK) Ltd. Tel: 01344628811, Fax 01344628188 Email: info@barrisol.co.uk
Colour: -	Specify from Barrisol colour card incl. Ref. no.
Finish:-	Matt/Satin/Lacquer/Metallic/Translucent/Perforated/Suede
Sheet:-	Material to be confirmed as complying with BS476 parts 6&7 class "O", plus Part 12, BS2782 and Euro classification EN13501-1.
Track (choice) : -	U profile for 60x60 and 60x 120. – BS 350/15 for translucent over 60x60 and for all colours for sizes over 60x 120 and up to 2 m by 2.
Support system: -	The ceiling tiles may be supported on a 15 to 24 mm T structure base depending on the desired appearance.
Service Fittings: -	As indicated on drawings
Accessories:-	As indicated on drawings
Vapour Barrier: -	Sheet to comply with BS3177 vapour test

Revised: October 2002

## **K40 SUSPENDED CEILINGS BARRISOL TREMPO**

**To be read with Preliminaries/ General conditions**

### TYPE(S) OF CEILING

#### **116 STRETCH CEILINGS TREMPO**

Location: -	Site as specified
Setting Out:-	As indicated on drawings
Structural Soffit(s): -	As indicated on drawings
Type: -	BARRISOL membrane sheet with supporting trims
Manufacturer: -	Normalu SA, Kembs, France
Installer: -	Stretch Ceilings (UK) Ltd. Tel: 01344628811, Fax 01344628188 Email: info@barrisol.co.uk
Colour: -	Specify from Barrisol colour card incl. Ref. no.
Finish:-	Matt/Satin/Lacquer/Metallic/Translucent/Perforated/Suede
Sheet:-	Material to be confirmed as complying with BS476 parts 6&7 class "O", plus Part 12, BS2782 and Euro classification EN13501-1. - Will be joined by lacing to the Barrisol Trempo track attached to the periphery of the walls, or partition walls in the case of large surfaces. A class "0" steel safety small chain will be attached every 3 metres. - Large panels will be divided in width approximately every 6 metres to retain their even surface and joined with a special double track aluminium rail or invisible joint finish or with a lighting strip with built-in interlocking rails.
Track (choice) : -	Aluminium Track with perforation to allow the hook to be installed.
Profile: -	As indicated on drawings. Shapes and forms to be within manufacturers guidelines
Support system: -	Typical suspension for double rail using galvanized MF system or similar
Service Fittings: -	As indicated on drawings
Accessories:-	As indicated on drawings
Vapour Barrier: -	Sheet to comply with BS3177 vapour test



## K40 SUSPENDED CEILINGS BARRISOL MICROACOUSTIC

**To be read with Preliminaries/ General conditions**

### TYPE(S) OF CEILING

#### 116 STRETCH CEILINGS MICROACOUSTIC

Location: -	Site as specified
Setting Out:-	As indicated on drawings
Structural Soffit(s): -	As indicated on drawings
Type: -	BARRISOL-MICROACOUSTIC membrane sheet with supporting trims
Manufacturer: -	BARRISOL-NORMALU S.A.S. Route du Sipes - 68 680 Kembs - France Tél. : +33 (0)3 89 83 20 20 - Fax : +33 (0)3 89 48 43 44
Installer: -	BARRISOL-NORMALU S.A.S. Route du Sipes - 68 680 Kembs - France Tél. : +33 (0)3 89 83 20 20 - Fax : +33 (0)3 89 48 43 44
Colour: -	Specify from Barrisol colour card incl. Ref. no.
Finish:-	Matt/Satin/Lacquer/Metallic/Translucent/Brushed suede
Sheet:-	Material to be confirmed as complying with BS476 parts 6&7 class "O", plus Part 12, BS2782 and UL certified. Panel width before seams to be min. 1.62m all finishes (brushed suedes 1,52m). The material will be perforated with approximately 300.000 microholes/m <sup>2</sup> should be installed at the predetermined height to obtain the desired acoustics. The perforated sheet alone should have a $\alpha_s = 0.50$ and a NRC of 0.50 at a distance of 100mm.
Track (choice):-	Star Track ( semi concealed ) Aluminium – BS350/01, 350/11, B350/16 without cover bead OR Classic Track (exposed) PVC White-B301, B350/03
Profile: -	As indicated on drawings. Shapes and forms to be within manufacturers guidelines
Support system: -	Typical suspension for double rail using galvanized MF system or similar
Service Fittings: -	As indicated on drawings
Accessories:-	As indicated on drawings
Vapour Barrier: -	Sheet to comply with BS3177 vapour test

Revised: August 2006

## EXAMPLES OF PROJECTS



PROUND Architects



Architect office: Morger & Degelo



Design: II by V



Design: REPONSE Agencement



Architect: BBC Resources



Produced by Eisenmann



Design: Ludmila Kolos, Oleksiy Tyukha



Architect: Semih Goral



Architect: Kristian Gavoille



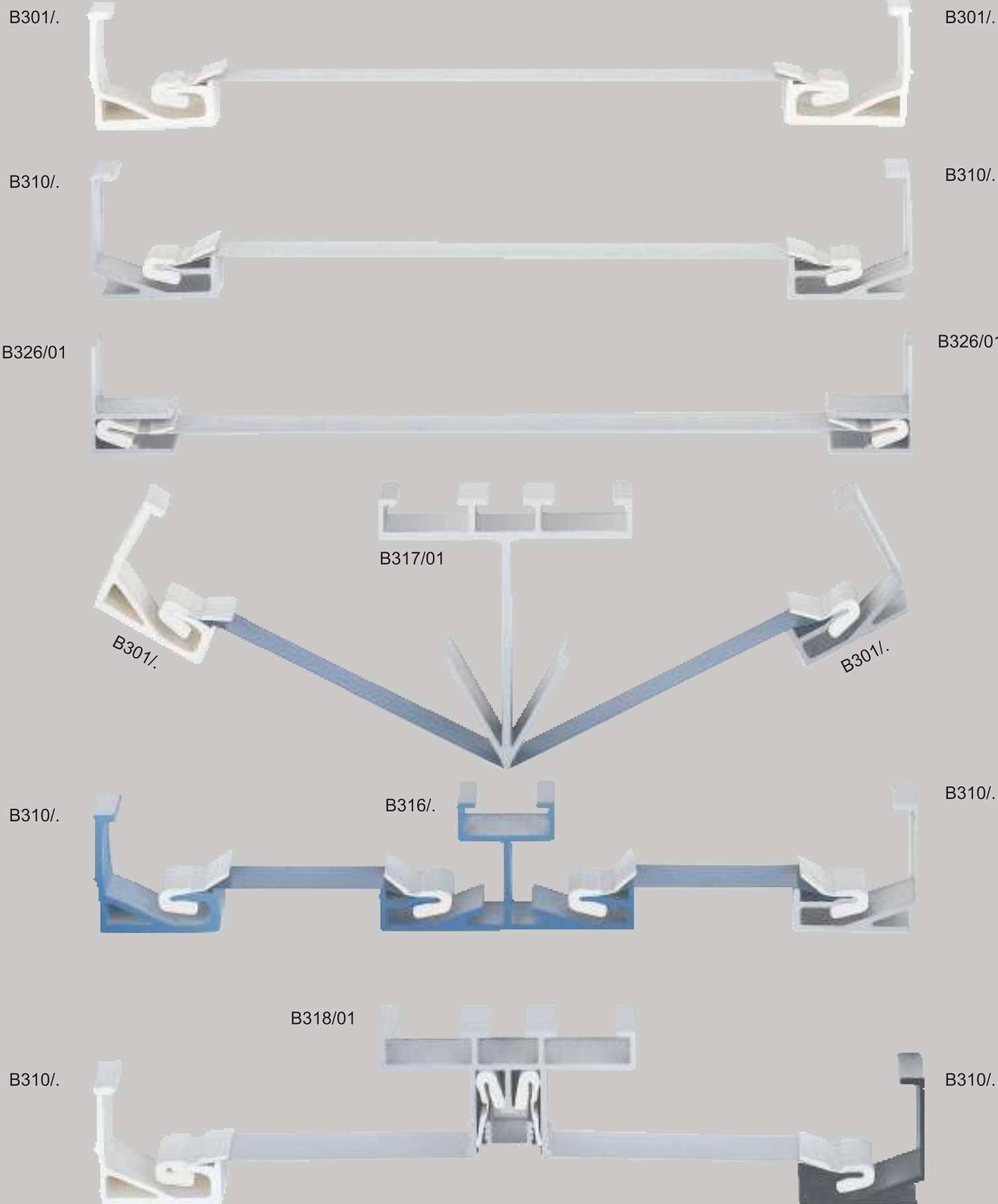
Architect: Natalia Glavinskaia



Architect: Lemay & Associés



Architect: Strategic Consulting Group



B311



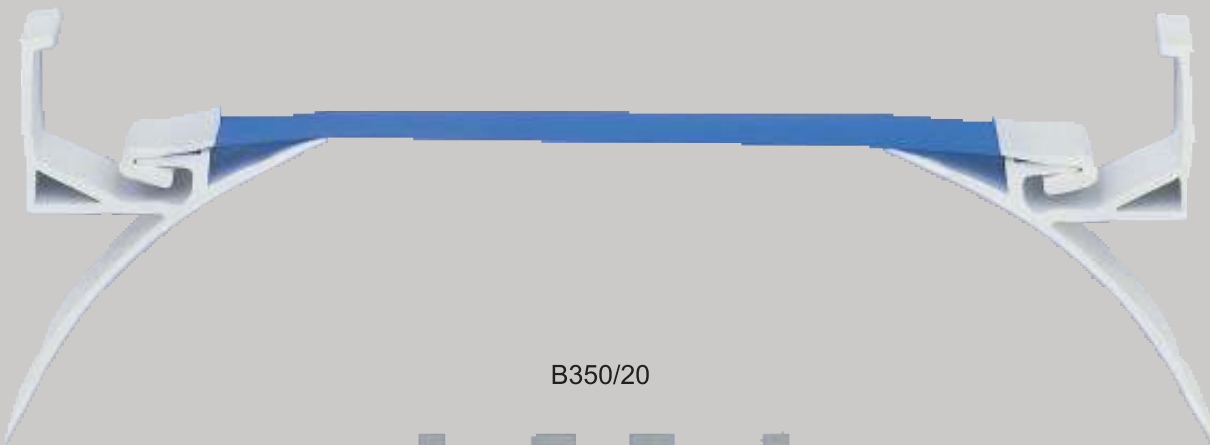
B311

B312



B312

B313



B313

B350/20



B312

B312

B318/01



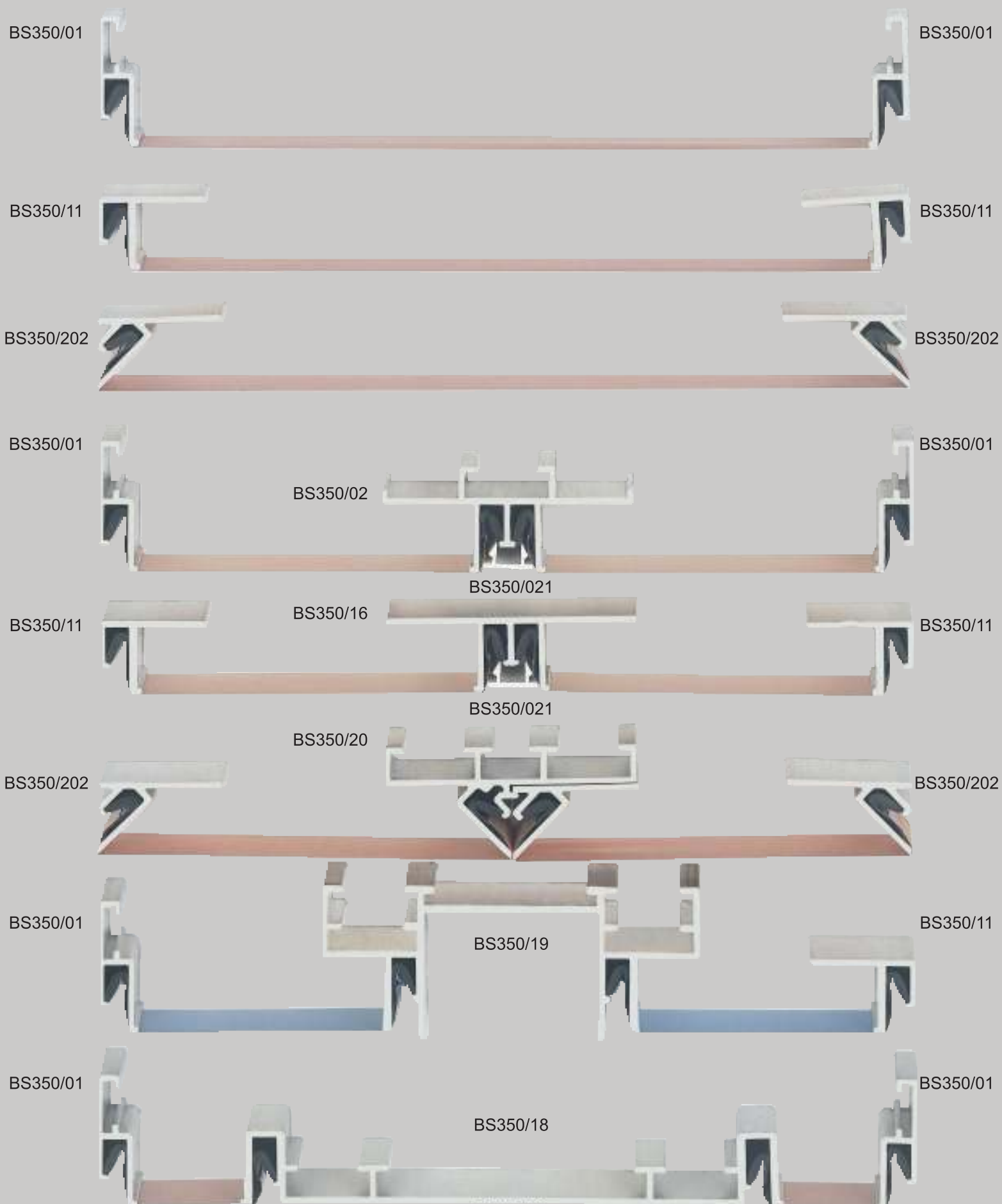
B311

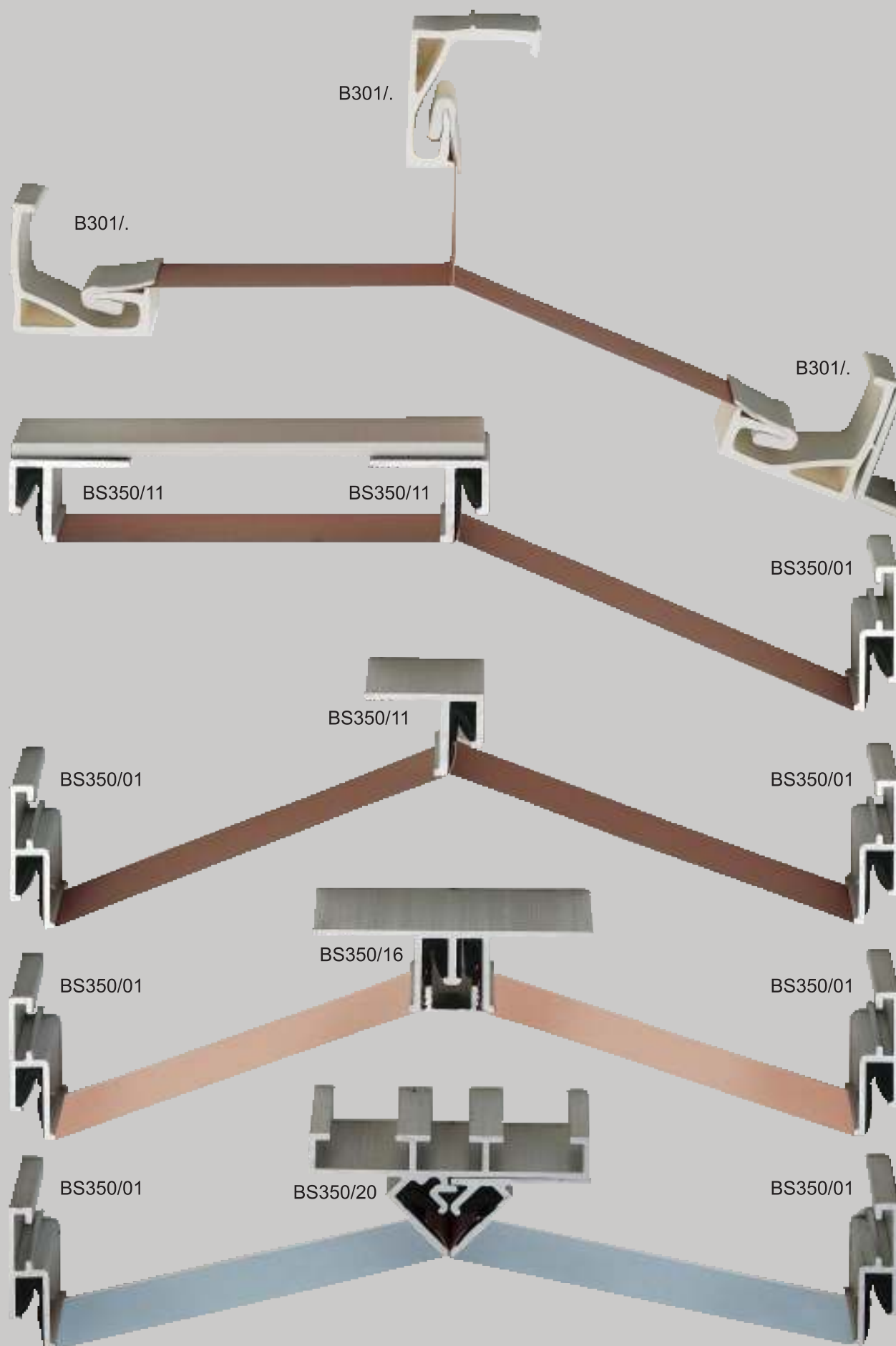
B311

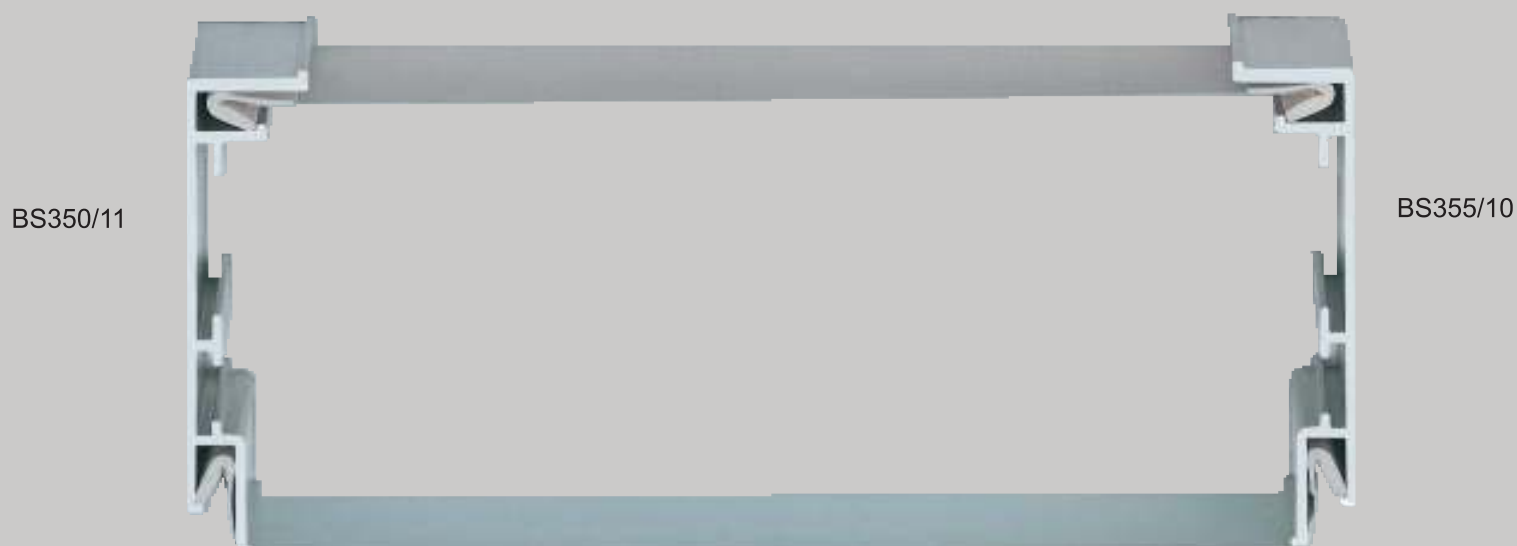
B318/011

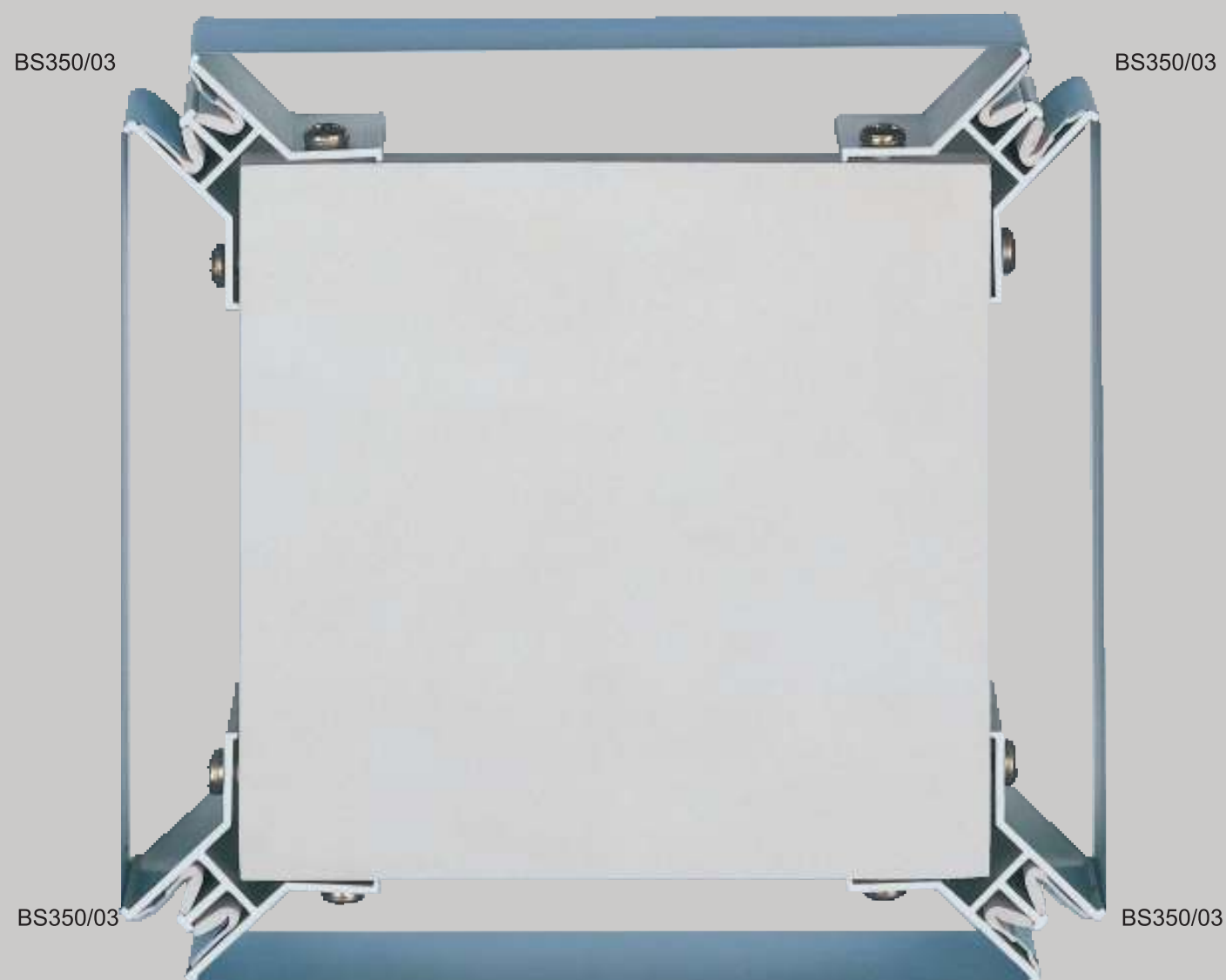














BS350/66



BS350/62



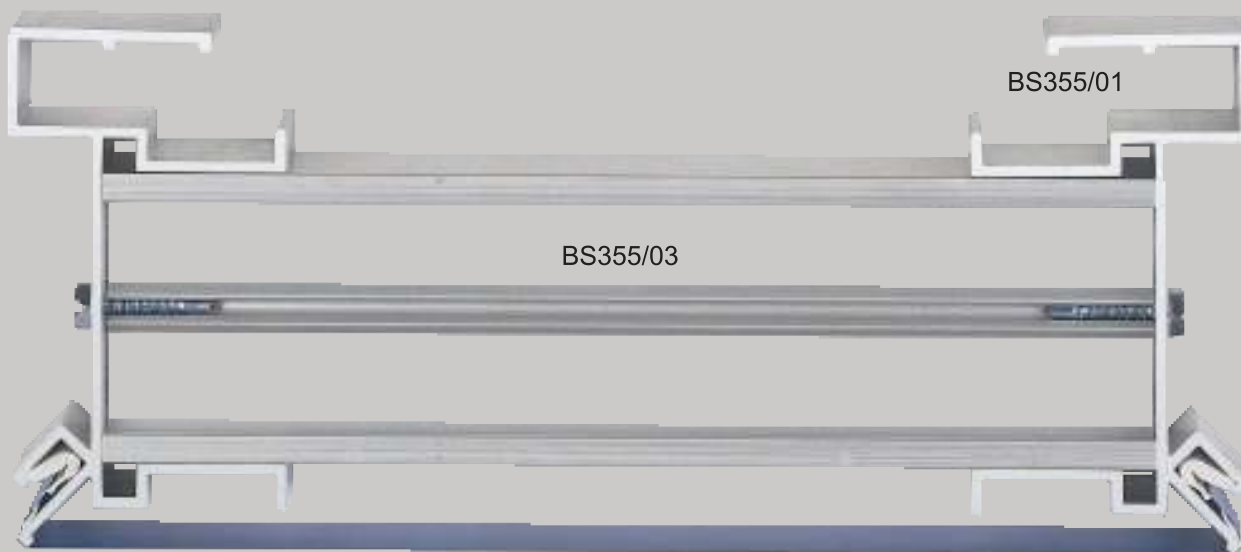
BS350/61



BS350/51



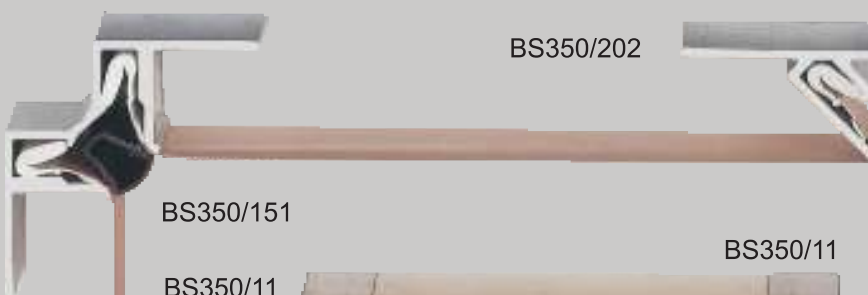
BS355/01



BS355/01

BS355/03

BS350/15



BS350/202

BS350/151

BS350/11

BS350/11



BS355/04

BS350/11

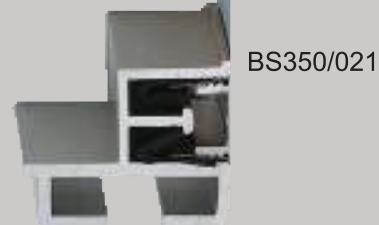


B317/03

B317/03



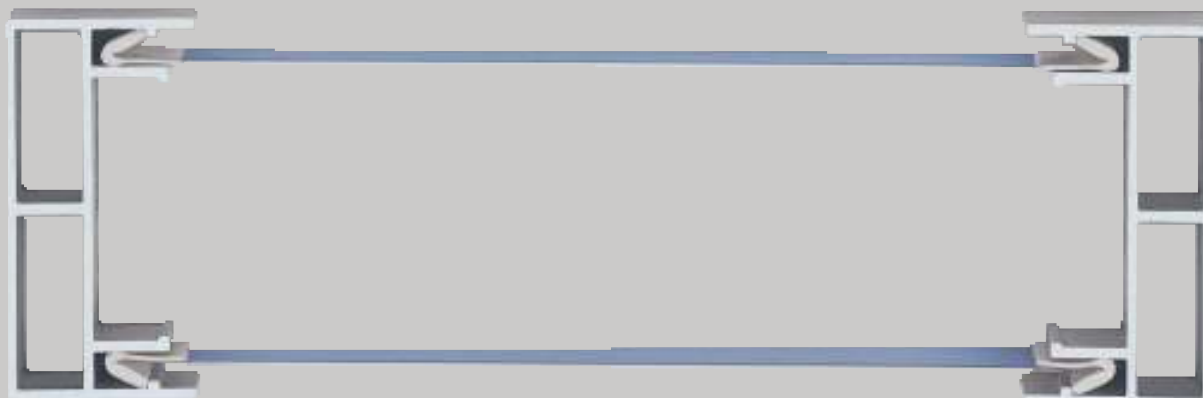
BS355/04



BS350/165

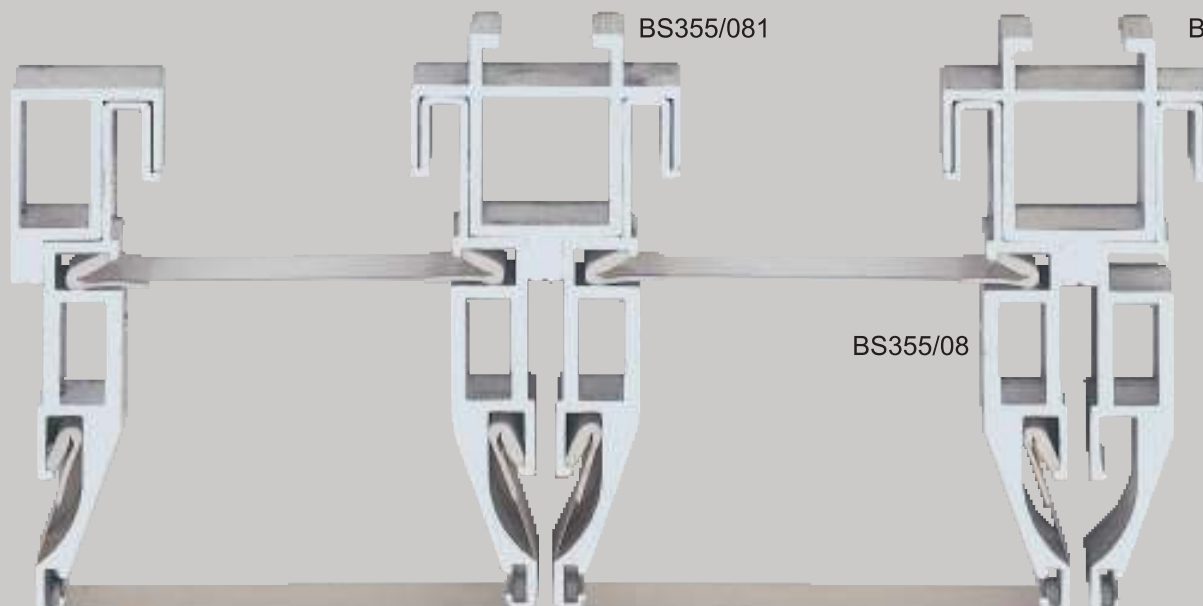
BS350/165

BS355/163



BS355/163

BS355/082

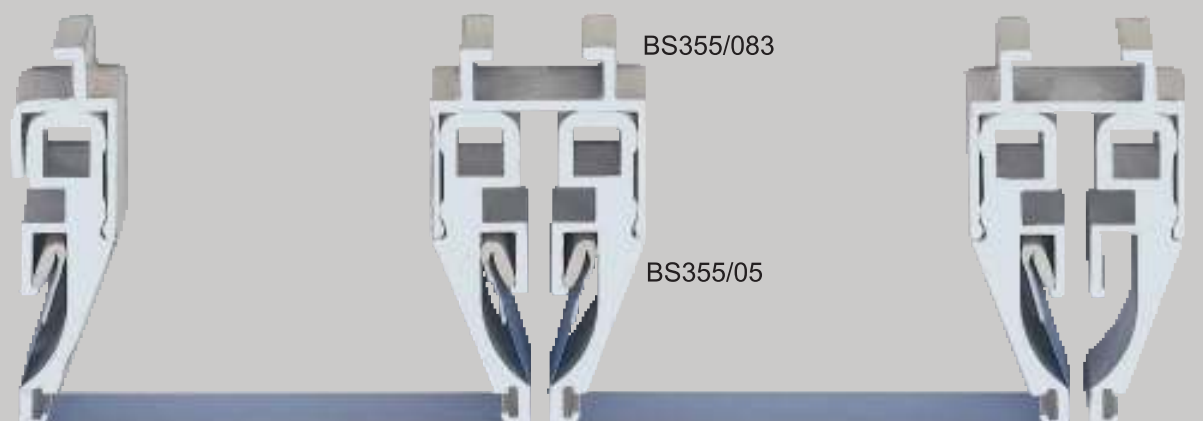


BS355/081

BS355/081

BS355/08

BS350/11



BS355/083

BS355/083

BS355/05

BS355/05

B317/03







Witteveen Projectinrichting  
Ouderkerk a/d Amstel  
Tel: 020 - 496 5030  
Fax: 020 - 496 3052  
info@witteveen.nl  
www.project-inrichting.nl  
www.scheidingswand.net

PRODUCT OF BARRISOL-NORMALU S.A.S. - 68680 KEMBS - FRANCE

Tél. : +33 (0)3 89 83 20 20 - Fax : +33 (0)3 89 48 43 44

E-mail : mail@barrisol.com

[www.barrisol.com](http://www.barrisol.com)

