



BARRISOL®

STRETCH CEILINGS



Architect : Conception Cama



Architect : Hakan KIRAN



Designer : Il 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**



<p>WELCOME TO THE WORLD OF BARRISOL Chapter 1</p>	<p>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</p>	
<p>PERIMETER TRACKS AND FINISHES Chapter 2</p>	<p>Barrisol components p 11 Barrisol finishes p 12 & 19 Technical specifications p 20 Examples of projects p 21 Tracks and rails p 22 to 27</p>	
<p>SELECTING BARRISOL CLASSIC PVC AND BARRISOL STAR ALUMINIUM TRACKS Chapter 3</p>	<p>Criteria for use p 28 to 31 Where to use them p 32 & 33 General installation conditions p 34</p>	
<p>BARRISOL CLASSIC VISIBLE PVC TRACKS Chapter 4</p>	<p>The Barrisol Classic system p 35 Barrisol Classic tracks p 36</p>	
<p>BARRISOL STAR SEMI-CONCEALED ALUMINIUM TRACKS Chapter 5</p>	<p>The Barrisol Star system p 37 Barrisol Star tracks p 38</p>	
<p>BARRISOL CLASSIC AND STAR: FIXING DETAILS Chapter 6</p>	<p>Cornices and beams p 39 Around pipes, pillars, columns p 40 Duo Barrisol Star incorporating logos – design features p 41 Various types of embedding p 42 Technical details p 43</p>	
<p>BARRISOL CLASSIC AND STAR: MULTIPLE SLOPES Chapter 7</p>	<p>Barrisol Classic sloping ceiling systems p 44 Barrisol Star sloping ceiling systems p 45 Stretch ceilings with recesses p 46</p>	
<p>BARRISOL STAR 3D Chapter 8</p>	<p>The Barrisol Star 3D stretch ceiling p 47 Barrisol Star 3D tracks p 48</p>	
<p>BARRISOL AND LARGE AREAS Chapter 9</p>	<p>Large Barrisol areas p 49 Barrisol Classic and Barrisol Star separators p 50 The Barrisol Super Star separator, support separators, braid systems p 51 Light strip separators p 52 Ceiling installations in large areas p 53 Design and separators p 54</p>	
<p>BARRISOL AND LIGHTING Chapter 10</p>	<p>Barrisol Universe spots p 55 Barrisol spot supports p 56 The Barrispot system p 57 Barrisol light boxes p 58 Suspended lighting, light supports, optical fibres and mini-spots p 59 Indirect flood lights p 60 Simulated glass roof p 61 Barrisol for all lighting types p 62 Examples of projects p 63</p>	
<p>BARRISOL ACOUSTIC Chapter 11</p>	<p>Barrisol MicroAcoustic p 64 & 65 Barrisol p 66 Barrisol Miniperf p 67</p>	
<p>TECHNICAL SPECIFICATION FOR INVITATION TO TENDER Chapter 12</p>	<p>Barrisol specification USA p 68 to 71 Barrisol Star UK K40 p 72 Barrisol Trempo UK K40 p 73 Barrisol-Microperf UK K40 p 74</p>	
<p>PHOTOS OF BARRISOL TRACKS Chapter 13</p>	<p>Attachment tracks for Barrisol stretch ceilings p 75 to 85</p>	



EDITORIAL

Some 40 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



MEMBER OF THE CLUB OF THE WORLD N° 1 FOR EXPORTS



INPI - INNOVATION
2008 - FRANCE



GOLD AWARD
BARRISOL ACOUSTICS®
STROISIB 2008 - RUSSIA



INNOVATION AWARD
THE RECYCLED
BATIWEB 2008 - FRANCE



BEST PRODUCT AWARD
LUMIERE®
FOR ARCH 2007 - CZECH REPUBLIC



BELGIAN BUILDING AWARD
BATIBOUW 2004 - BELGIUM



CERTIFICATE OF EXCELLENCE
SIDIM 2002 - CANADA



BUILDING FIRST PRIZE
2002 - CANADA



INNOVATION AWARD
MICROSORBER
AIT 2002 - DUSSELDORF GERMANY



INNOVATION AWARD
LUMIERE®
AIT 2002 - FRANCFORT GERMANY



DESIGN AWARD
FOR ARCH 2001 - CZECH REPUBLIC



GOLD MEDAL
CONSTRUCT EXPO 2001
ROUMANIA



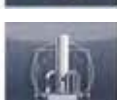
BEST PRODUCT AWARD 2001
OLSZTYN - POLAND



INNOVATION AND QUALITY
2000
MEBLE WNERTZE - POLAND



PAINTERS ASSOCIATION
INNOVATION & TECHNOLOGY
2000 BERLIN - GERMANY



EXCELLENCE AWARD
1999
CANADA



CONSTRUCTION
EXCELLENCE AWARD 1998
CISCA - USA



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



HONOR PRIZE
1997
97' ESPACIO - CHILE



GOLD MEDAL 1996
DECOR EXPO '96 CHINA



PRICE FOR INNOVATION
1996
INTERBUILD MELBOURNE - AUSTRALIA



GOLD MEDAL
PRODUCT AWARD
1995 CHINA



GOLD MEDAL PRODUCT
AWARD 1995
CONECO '95 - CZECH REPUBLIC



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



BRONZE MEDAL FOR
INNOVATION 1991
BATIMAT PARIS - FRANCE



SNAI HONOR OSCAR
BARRISOL STAR® 1991
NATIONAL FEDERATION
OF INTERIOR ARCHITECTS - FRANCE



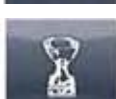
"THE EXCEPTIONAL"
AWARD 1990
GENEVA - SWITZERLAND



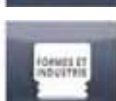
SPECIAL JURY AWARD
FOR THERMALU®-BARRISOL®
1990 GRENOBLE - FRANCE



SNAI OSCAR 1985
NATIONAL FEDERATION
OF INTERIOR
ARCHITECTS - FRANCE



AVANT-GARDE PRODUCT
AWARD 1984
FRANCE



LABEL OF INDUSTRIAL
AESTHETICS 1983
FORMES ET INDUSTRIE - 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
Creation of stand alone shapes.

BARRIMUR STAR WALL

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, France, near Germany and Switzerland, 10 minutes from the international Basel-Mulhouse-Freiburg airport**
- ♦ **Turnover: 20 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 – curtains for sports halls**

Manufacturer of separating curtains for sports halls.

PRODUCTION SITES: 13 500 m² :

- ♦ **Kembs: Normalu I** ≈ 6 000 m² (60,000 sqft) including :
 - ≈ 4 500 m² (45,000 sqft) - BARRISOL, ≈ 400 m² (4,000 sqft) - training facility,
 - ≈ 800 m² (8,000 sqft) - offices**Normalu II** ≈ 3 500 m² (35,000 sqft) - SYMA aluminium
- ♦ **Ste Marie aux Mines:** ≈ 4 000 m² (40,000 sqft) - BARRISOL - woodwork

SALES:

- ♦ **Kembs: licensing**
 - French sales network
 - International sales network
- ♦ **Bagneux :** ≈ 1 600 m² (16,000 sqft) including: ≈ 400 m² (4,000 sqft) of offices
≈ 400 m² (4,000 sqft) of showrooms ≈ 600 m² (6,000 sqft) of workshops
≈ 200 m² (2,000 sqft) of technical, sales and computer training

FILIALES :

- ♦ **THERMALU SARL:** ≈ 4 500 m² (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

Normalu S.A.S. Route du Sipes 68680 KEMBS - Tél. +33 (0)3.89.83.20.20 - Fax +33 (0)3.89.48.43.44 / +33 (0)3.89.48.45.95

Email: mail@barrisol.com - Website: www.barrisol.com

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 100 countries world-wide

over 30 000 000 sqm ≈ 300,000,000 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.

FIRE CLASSIFICATION	<ul style="list-style-type: none"> ♦ Barrisol meets current international standards. ♦ 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. ♦ Peripheral tracks, cornices: PVC M1 – M0 aluminium ♦ Barrisol accessories: meet legal safety standards in the plenum: M0 and M1 classification
NON-TOXICITY	<ul style="list-style-type: none"> ♦ Barrisol's non-toxicity is confirmed by international tests: <ul style="list-style-type: none"> - United States Testing Company Inc Biological Services Division - International Maritime Organisation (IMO)
PUBLIC BUILDINGS	<ul style="list-style-type: none"> ♦ The French Ministry of the Interior has approved Barrisol in buildings receiving the public following tests conducted by the competent authorities ♦ Meets applicable standards in different countries
SPRINKLERS	<ul style="list-style-type: none"> ♦ Sprinklers can be built into Barrisol ceilings using suitable techniques according to applicable standards ♦ Barrisol Modular ceilings allow sprinkler openings for large surfaces
IN COMPLEX	<ul style="list-style-type: none"> ♦ Barrisol can be used in a fire-break complex with suitable materials.
SMOKE CLEARANCE	<ul style="list-style-type: none"> ♦ Barrisol fabric for smoke clearance, with 10 mm diameter perforations, is available in 36 colours.
SAFETY DEVICES	<ul style="list-style-type: none"> ♦ Remote surveillance cameras, emergency illumination and signage and all types of technical devices can be incorporated in Barrisol ceilings and walls using Barrisol techniques.
WATER DAMAGE	<ul style="list-style-type: none"> ♦ Barrisol is impermeable and helps prevent or minimise water damage.
MARINE	<ul style="list-style-type: none"> ♦ Barrisol is approved by Lloyds International.
FOOD HYGIENE	<ul style="list-style-type: none"> ♦ The National Centre for Veterinary and Food Studies of the French Ministry of Agriculture certifies that Barrisol complies with food hygiene requirements. ♦ The British Royal Health and Safety Institute certifies, after tests, that Barrisol meets hygiene standards perfectly. ♦ Greenall Food, a microbiology consultant, reported that after sterilisation Barrisol does not show bacterial growth.
FUNGICIDAL	<ul style="list-style-type: none"> ♦ By nature, Barrisol does not develop moulds or fungi.
SOUND-PROOFING	<ul style="list-style-type: none"> ♦ Soundproofing standard NF S31-003. ♦ Qualibat qualification No. 7152 ♦ Barrisol Acoustic complies with the technical recommendations of the French Ministry of Education for classrooms (APAVE Alsace) ♦ Absorption coefficient determined by the CSTB
GUARANTEE	<ul style="list-style-type: none"> ♦ Barrisol: 10-year manufacturer guarantee against all strip and harpoon seam manufacturing defects.
DURABILITY AND STABILITY	<ul style="list-style-type: none"> ♦ 40 years of experience demonstrate the high resistance of Barrisol ceilings which stay stretched and stable over time.



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

COULEURS
CLASSEMENT M1

COLOURS
CLASS 1 IN USA
CLASS 0 IN UK

FARBEN
KLASSE B1

COLORES
CLASE M1

CORES
CLASSE M1

COLORI
CLASSE 1

LES REFLETS LAQUÉS® - THE LACQUERS - DIE LACKDECKDEN
LOS LACADOS - OS LACADOS - I LACCATI

17-18/100
BS 2-d0

Les Coloris

	02018	Gris tamaris		02041	Noir Tulipe		02052	Mauve aster
	02012	Gris clématite		02084	Prune violette		02076	Bleu belle de nuit
	02016	Gris ombelle		02081	Bordeaux pivoine		02075	Bleu campanule
	02014	Gris jasmin		02085	Rouge grenat		02072	Bleu gentiane
	02011	Blanc lys		02083	Rouge coquelicot		02073	Bleu bleuet
	02017	Beige obione		02082	Rouge capucine		02074	Bleu pervenche
	02024	Jaune réséda		02051	Orange coulouma		02070	Bleu dauphinel
	02024	Jaune réséda		02025	Orange datura		02071	Bleu myosotis
	02015	Beige arum		02022	Jaune jonquille		02065	Vert armandine
	02013	Beige magnolia		02023	Jaune primevère		02064	Vert amarante
	02021	Beige dactyle		02053	Pêche angelique		02066	Vert lauriers
	02032	Brun roseaux		02092	Rose camélia		02062	Vert houx
	02030	Taupe asaret		02091	Rose azalée		02061	Vert gui
	02033	Brun noisetier		02090	Rose fushia		02063	Vert verveine
	02031	Brun pomme de pin		02050	Mauve iris		02067	Vert olive

Les Acoustics®

	A10 + ref Microperf Ø 0,1 mm
	A20 + ref Acoperf Ø 0,15 mm
	A30 + ref Microacoustic Ø 0,2 mm
	A40 + ref Miniperf Ø 0,5 mm

Les Perforés®

	P10 + ref Mediperf Ø 1 mm		P60 + ref Maxiperf Ø 4 mm
	P20 + ref Mezzoperf Ø 1 mm		P70 + ref Megaperf Ø 4 mm
	P50 + ref Solaperf Ø 2,8 mm		P80 + ref Omégaperf □ 4,5 mm



Arch. : Netanel Ben-Izchak

Arch. : Pietro Giordano

Arch. : Dalena Cernakova

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

Design : Mattia

Création : Angel Moretta



LES RÊVES SATINÉS® - THE SATINS - DIE SATINIERTEN LOS SATINADOS - OS ACETINADOS - I SATINATI

17-18/100
BS 2-d0



Les Coloris

07083	Brique galapagos
07082	Orange borneo
07081	Orange sumatra
07024	Orange bali
07023	Orange java
07022	Orange flores
07033	Beige bahamas
07019	Gris seychelles
07095	Rose hawaii
07090	Rose désirade
07091	Rose marie galante

07093	Rose tahiti
07094	Rose marquise
07092	Rose balears
07084	Prune Kiji
07075	Bleu fidji
07074	Bleu corfou
07074	Bleu midway
07073	Bleu mayotte
07072	Bleu bermudes
07064	Vert bermudes
07067	Vert kourou
07063	Vert antilles

07071	Vert canaries
07062	Vert açores
07061	Bleu palmyre
07021	Jaune ceylan
07011	Ivoire rhodes
07010	Blanc wight
07015	Gris comores
07017	Gris livingstone
07018	Gris cèlèbes



Les Acoustics®



Les Perforés®

A10 + ref Microperf	Ø 0,1 mm
A20 + ref Acoperf	Ø 0,15 mm
A30 + ref Microacoustic	Ø 0,2 mm

P10 + ref Mediperf	Ø 1 mm
P20 + ref Mezzoperf	Ø 1 mm

P50 + ref Solaperf	Ø 2,8 mm
P80 + ref Omégaperf	□ 4,5 mm



LES INSPIRATIONS SATINÉES® - THE SATINS - DIE SATINIERTEN
LOS SATINADOS - OS ACETINADOS - I SATINATI

36/100
BS 2-d0

Les Coloris

	D02018	Gris tamaris
	D02012	Gris clématite
	D02016	Gris ombelle
	D02014	Gris jasmin
	D02011	Blanc lys
	D02017	Beige obione
	D02024	Jaune réséda
	D02015	Beige arum
	D02013	Beige magnolia
	D02021	Beige dactyle
	D02032	Brun roseaux
	D02030	Taupe asaret
	D02033	Brun noisetier
	D02031	Brun pomme de pin

	D02041	Noir Tulipe
	D02084	Prune violette
	D02081	Bordeaux pivoine
	D02085	Rouge grenat
	D02083	Rouge coquelicot
	D02082	Rouge capucine
	D02051	Orange coulouma
	D02025	Orange datura
	D02022	Jaune jonquille
	D02023	Jaune primevère
	D02053	Pêche angélique
	D02092	Rose camélia
	D02091	Rose azalée
	D02090	Rose fushia
	D02050	Mauve iris

	D02052	Mauve aster
	D02076	Bleu belle de nuit
	D02075	Bleu campanule
	D02072	Bleu gentiane
	D02073	Bleu bleuet
	D02074	Bleu pervenche
	D02070	Bleu dauphinoise
	D02071	Bleu myosotis
	D02065	Vert amandine
	D02064	Vert amarante
	D02066	Vert lauriers
	D02062	Vert houx
	D02061	Vert gui
	D02063	Vert verveine
	D02067	Vert olive

Les Acoustics®

	A10 + ref	Microperf
	A20 + ref	Acoperf
	A30 + ref	Microacoustic
	A40 + ref	Miniperf

Les Perforés®

	P10 + ref	Ø 1 mm
	P20 + ref	Ø 1 mm
	P30 + ref	Ø 1,5 mm
	P40 + ref	Ø 2 mm

	P50 + ref	Ø 2,8 mm
	P60 + ref	Ø 4 mm
	P70 + ref	Ø 4 mm
	P80 + ref	Ø 4,5 mm
	P90 + ref	Ø 10 mm

* Les références P30, P40, P90 sont fabriquées exclusivement en 36/100.

* The references P30, P40, P90 are only available in thickness 36/100.

* Die Materialien P30, P40, P90 sind nur in der Dicke 36/100 lieferbar.

* Las referencias P30, P40, P90 se fabrican únicamente con telas de 36/100.

* As referências P30, P40, P90 só podem ser fabricadas com a tela 36/100.

* I riferimenti P30, P40, P90 sono fabbricati esclusivamente in 36/100.



Arch.: Hakan Kiran



Arch.: Bärbel Thorer



Arch.: Aydin Sesigur



Arch.: Pilot Design



Arch.: Vanhaerents



Arch.: Ali Osman Ozturck



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

29-30/100
BS 3-d0



Les Coloris

	05085	Bordeaux ambiance
	05083	Rouge passion
	05084	Rouille confort
	05086	Rose charme
	05115	Gris raffinement
	05088	Lilas cocooning
	05116	Gris intimité
	05090	Bleu tendance
	05071	Bleu ciel bien-être
	05072	Bleu fashion
	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



Les Acoustics®

	A10 + ref <i>Microperf</i> Ø 0,1 mm
	A20 + ref <i>Acoperf</i> Ø 0,15 mm
	A30 + ref <i>Microacoustic</i> Ø 0,2 mm



Les Perforés®

	P10 + ref <i>Mediperf</i> Ø 1 mm
	P20 + ref <i>Mezzoperf</i> Ø 1 mm

	P50 + ref <i>Solaperf</i> Ø 2,8 mm
	P80 + ref <i>Omégaperf</i> □ 4,5 mm

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Arch. : Miguel Martins & BPC



Arch. : Lab Architecture Studio & Bates Smart



Arch. : Marek Deyl



Arch. : Massimiliano & Doriano Fuksas



Arch. : Mario Cucinella










Design : Lydia Fong Siew Ming and Team

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


17-18/100
BS 2-d0





 Les Coloris

	01016	Gris clair
	01050	Blanc extramat
	01010	Blanc
	01011	Ivoire
	01020	Beige
	01030	Brun foncé
	01040	Noir

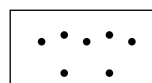







ARCHITECTE : FEDERICO DIAZ

 Les Acoustics®

	A10 + ref	Microperf	Ø 0,1 mm
	A20 + ref	Acoperf	Ø 0,15 mm
	A30 + ref	Microacoustic	Ø 0,2 mm
	A40 + ref	Miniperf	Ø 0,5 mm

 Les Perforés®

	P10 + ref	Mediperf	Ø 1 mm
	P20 + ref	Mezzoperf	Ø 1 mm
	P50 + ref	Solaperf	Ø 2,8 mm

	P60 + ref	Maxiperf	Ø 4 mm
	P70 + ref	Megaperf	Ø 4 mm
	P80 + ref	Omégaperf	□ 4,5 mm



Arch. : Murat Denizati



Arch. : Gilles Morais



Arch. : ECO' ID



URS Corporation



Arch. : Tim Power



Studio Baciocchi

Studio Baciocchi



LES TRANSLUCIDES® - THE TRANSLUCENTS - DIE TRANSLUZIDEN LOS TRANSLUCIDOS - AS TRANSLUCIDAS - I TRASLUCIDI

17-30/100
BS 2-d0



Les Coloris

	04072	Planète bleue
	04011	Blanc vénus
	04013	Clair de lune
	04015	Mercurie
	04073	Neptune
	04016	Sedna
	04025	Aurore boréale
	04018	Plutonia
	04020	Equinox
	04010	Nérelide



Les Acoustics®

	A10 + ref	Microperf
	Ø 0,1 mm	
	A20 + ref	Acoperf
	Ø 0,15 mm	
	A30 + ref	Microacoustic
	Ø 0,2 mm	
	A40 + ref	Miniperf
	Ø 0,5 mm	



Les Perforés®

	P10 + ref	Mediperf
	Ø 1 mm	
	P40 + ref	Terraperf
	Ø 2 mm	
	P50 + ref	Solaperf
	Ø 2,8 mm	
	P80 + ref	Omégaperf
	□ 4,5 mm	

LES MÉTALS® - THE METALLICS - DIE METALLDECKEN LOS METALICOS - OS METAIS - I METALLICI

17-18/100
BS 2-d0



Les Coloris

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



Les Acoustics®

	A10 + ref	Microperf
	Ø 0,1 mm	
	A20 + ref	Acoperf
	Ø 0,15 mm	
	A30 + ref	Microacoustic
	Ø 0,2 mm	
	A40 + ref	Miniperf
	Ø 0,5 mm	



Les Perforés®

	P10 + ref	Mediperf
	Ø 1 mm	
	P20 + ref	Mezoperf
	Ø 1 mm	
	P50 + ref	Solaperf
	Ø 2,8 mm	
	P60 + ref	Maxiperf
	Ø 4 mm	
	P70 + ref	Megaperf
	Ø 4 mm	
	P80 + ref	Omégaperf
	□ 4,5 mm	



Arch. : ECO* ID



Arch. : H. Penaranda & Y. Valesco



Arch. : Federico Diaz



Artiste : Patrick Bailly-Maitre-Grand



Arch. : Micro de la TSR



Arch. : Karim Azzabi

**LES XTREMES® - THE X-WIDE - DIE X-TREM
LAS GRANDES - AS GRANDES - X-LARGE**

17-30/100
BS 2-d0

Les Coloris

X1010	Blanc xmat
X7010	Blanc white satiné
X4015	Mercure translucide
X4016	Sedna translucide
X4018	Plutonia

Les Perforés®

P20 + ref	MezZoperf
Ø 1 mm	

Les couleurs imprimées peuvent présenter un léger écart avec la réalité, notre carte d'échantillons est à votre disposition pour plus de précisions. Les reflets dans le laqué peuvent varier en fonction des formes, séparations et autres. Il peut y avoir, dans la gamme des laquées, de petites marques liées au processus de fabrication. La largeur des lés sans soudure varie de 1m50 à 2m56 selon le type de finition. Merci de consulter le tableau de largeur des lés pour connaître les dimensions exactes. En fonction de l'intensité de l'exposition au rayonnement solaire, de la composition de l'atmosphère (fumée...) de la pièce, la teinte peut légèrement varier dans le temps.

Printed colors may present a slight variation with the reality, our sample booklet is available for more precision. The reflections in the lacquer finish may vary depending on the shapes, separations and others. Small marks being a part of the manufacturing process may be present in the lacquered line. The width of the sheet without weld can vary from 150 cm to 256 cm depending on the finition. Thanks to check the width table to get the exact dimensions. Depending on the intensity of the solar radiance exposition and the atmosphère composition (smoke...) of the room, the shade of the sheet may vary in the time.

Die gedruckten Farben können in der Realität von der Darstellung abweichen; eine Broschüre mit Muster ist für genauere Abgleiche erhältlich. Der Spiegeleffekt der Lackfolien kann je nach Form, Aufteilung und weiteren Faktoren variieren. Die Lackdecken können kleine Druckstellen, verbunden mit dem Herstellungsprozess aufweisen. Die Folienbreite ohne Schweißnaht variiert je nach Folientyp zwischen 150 cm und 256 cm. Bitte überprüfen Sie die genauen Abmessungen in der Tabelle mit den Breitenangaben. Abhängig von der Sonneneinstrahlung und der Luftzusammensetzung im Raum (Rauch...) kann sich das Erscheinungsbild der Folien zeitlich ändern.



DESIGN : C.S. LYON PRAHA DESIGN

I colori stampati possono presentare un leggero scarto con la realtà, la nostra carta di campioni è vostra disposizione per più precisazioni. La gamma dei laccati può variare in funzione delle forme, separazioni e altro. È possibile che ci siano, nella gamma dei laccati, delle piccole marcature legate al processo di fabbricazione del telo. La larghezza del telo senza saldatura varia da 1m50 a 2m56 secondo il tipo di finitura. La prego di consultare la tabella di larghezza dei teli per conoscere le dimensioni esatte. In funzione dell'intensità dell'esposizione ai raggi del sole e della composizione dell'atmosfera (fumo...) della stanza, la tinta del telo può leggermente variare col tempo.

Dado que estos colores fueron impresos puede existir una diferencia con la realidad, por eso nuestra carta con muestras está a su disposición para una mayor precisión. Los reflejos de las telas lacadas pueden variar en función de las formas, separaciones y otros. Podrían aparecer ligeras marcas debido al proceso de fabricación en las telas lacadas. La anchura de telas sin soldadura puede variar entre 1m50 y 2m56 según el acabado elegido. Gracias por consultar el listado de anchuras de las telas para medidas exactas. Según la intensidad de la exposición a la radiación solar, de la composición de la atmósfera de la habitación (humo...), el tinte puede variar con el tiempo.

Visto que as cores foram imprimidas pode haver diferenças com a realidade, por isso a nossa carta de cores com amostras de tela está ao seu dispor. Os reflexos das telas lacadas podem variar em função das formas, separações e outros. Podem aparecer na nossa gama de telas lacadas pequenas marcas devido ao processo de fabricação das telas. A largura das telas sem soldadura pode variar entre 1m50 até 2m56 segundo o acado de tela escolhido. É favor consultar a tabela das larguras de tela para conhecer as medidas exactas. Segundo a intensidade de exposição ao brilho solar, da composição, da atmosfera (fumo...) da peça, a cor pode variar com o passar do tempo.



Arch. : David Betts & Paolo Dario



Arch. : Arch Tube Architectural Lighting & Design



Arch. : Bredt & Partner



Arch. : The Syntax Group UK



Arch. : Kingsmen Projects Pte LTD



Arch. : Studio Arne Quinze



LES RECYCLÉS® - THE RECYCLED - DIE ÖKOLOGISCHEN LAS RECICLADAS - AS RECICLADAS - I RICICLABILI

17-18/100
BS 2-d0



Les Coloris

	R01	Beige
	R02	Blanc
	R03	Gris
	R04	Noir



Les Acoustics®

	A10 + ref	Microperf	Ø 0,1 mm
	A20 + ref	Acoperf	Ø 0,15 mm
	A30 + ref	Microacoustic	Ø 0,2 mm
	A40 + ref	Miniperf	Ø 0,5 mm



Les Perforés®

	P10 + ref	Mediperf	Ø 1 mm
	P20 + ref	Mezoperf	Ø 1 mm
	P50 + ref	Solaperf	Ø 2,8 mm
	P60 + ref	Maxiperf	Ø 4 mm
	P70 + ref	Megaperf	Ø 4 mm
	P80 + ref	Omégaperf	□ 4,5 mm

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C'est depuis longtemps que Barrisol accorde une grande importance au respect de l'environnement. Les toiles Barrisol sont recyclables à 100%. De plus, l'ensemble des matériaux utilisés pour la production est recyclable ou fait de matières recyclées (emballages, conditionnements...).

La nouvelle gamme de toiles «Les recyclés» va encore plus loin puisqu'en plus d'être recyclables à 100% comme toutes les autres toiles Barrisol, elles sont fabriquées à partir de matières Barrisol recyclées.

Since the beginning Barrisol is claiming his ecological commitment by respecting the environment. Barrisol sheets are 100% recyclable. Furthermore, the raw material used for production are recyclable or made with recycled materials (packaging, shipping packing...)

On top of these recyclable sheets Barrisol get further by offering a product range named «The recycled» in which all the sheets are done with Barrisol recycled matters.

Wir messen dem Umweltschutz schon seit langer Zeit eine große Bedeutung bei.

Daher verwenden wir für die Herstellung der BARRISOL-Spanndecken ausschließlich Materialien, die entweder wiederverwertbar sind oder bereits wieder verwertet werden.

BARRISOL bietet nun eine neue Serie von Span-

nfolien an: die Ökologischen - les Recyclés. Diese Folien werden ausschließlich aus wiederverwerteten Barrisol Materialien hergestellt.

Da sempre Barrisol s'impegna nell'ambito dell'ecologia contribuendo al rispetto dell'ambiente. I teli Barrisol sono riciclabili al 100%. In più, l'insieme dei materiali utilizzati per la produzione è riciclabile o composto da materie riciclabili (imballaggio, condizionamento...)

Oltre a produrre dei teli riciclabili, Barrisol s'impegna ancora proponendo una nuova gamma «Les recyclés» i cui teli sono fabricati di materiale Barrisol riciclabile.

Desde siempre Barrisol asume su conciencia ecológica y contribuye al respecto del medio

ambiente. Las telas Barrisol son reciclables al 100%; todos los materiales usados en producción son reciclables o hechos de materias recicladas (embalajes, acondicionamiento...). Además de producir telas reciclables, Barrisol empeña su responsabilidad ecológica lanzando una nueva gama de telas "recicladas" compuesta de materia Barrisol reciclada.

Desde sempre Barrisol afirma o seu compromisso ecológico contribuindo para o respeito do meio-ambiente. As telas Barrisol são recicláveis à 100%. Além disso, o conjunto dos materiais utilizados para a produção são também reciclados ou feitos de matérias recicladas (embalagens, acondicionamentos...).

Além de produzir as telas recicláveis, Barrisol compromete-se mais propondo a sua nova gama «As telas recicladas» cujas telas são fabricadas a partir de materiais Barrisol reciclados.



Design : TIMBETTEX



Design : Alain Dumont



Architecte Cadco AB Sweden



Arch. : Dennis Lau & Ng Chun Man



Architecte Michel JAUSSAUD



Arch. : Maciej Miller

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
Tear strength	196.50 kg/sqcm or 2788.34 lb/in ²	220.80 kg/sqcm or 3133.15 lb/in ²
Elongation at rupture	231 %	309 %
Tensile strength and elongation at rupture (ISO weight standard)	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 bleuét 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



Architect : Marc Mimram



Design: Demeester & Berteloot



Architects: Belaen + Van De Loock
Design: Francis Billiet



Architect: Arrowstreet



Design: Francis Billiet



Blaser + Morath, Mr Frigerio

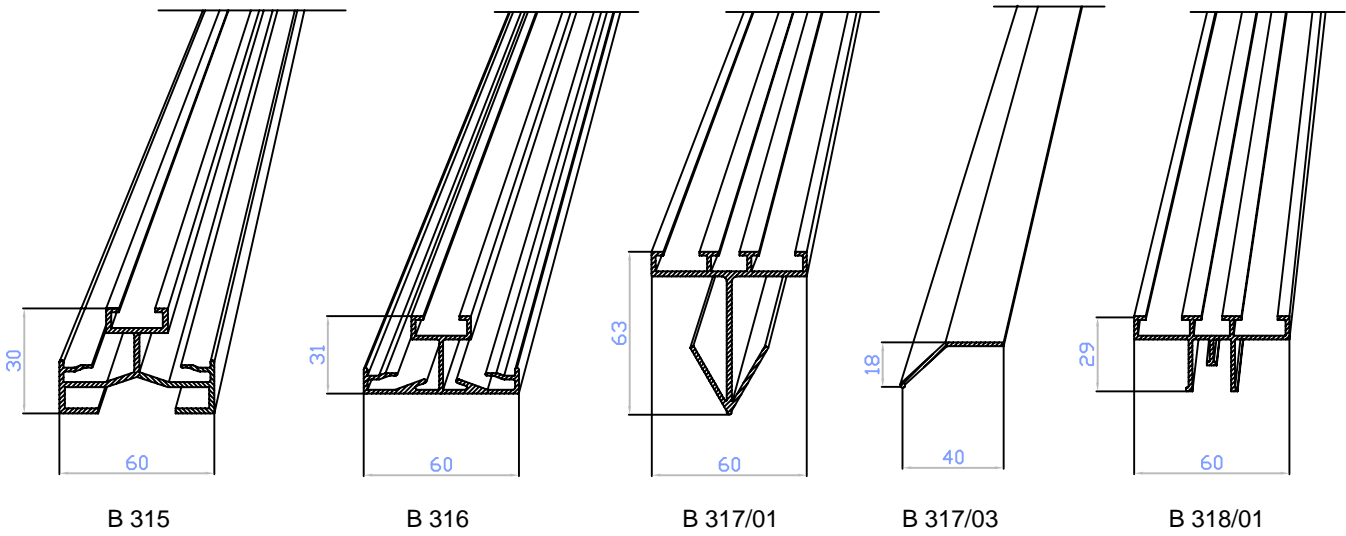
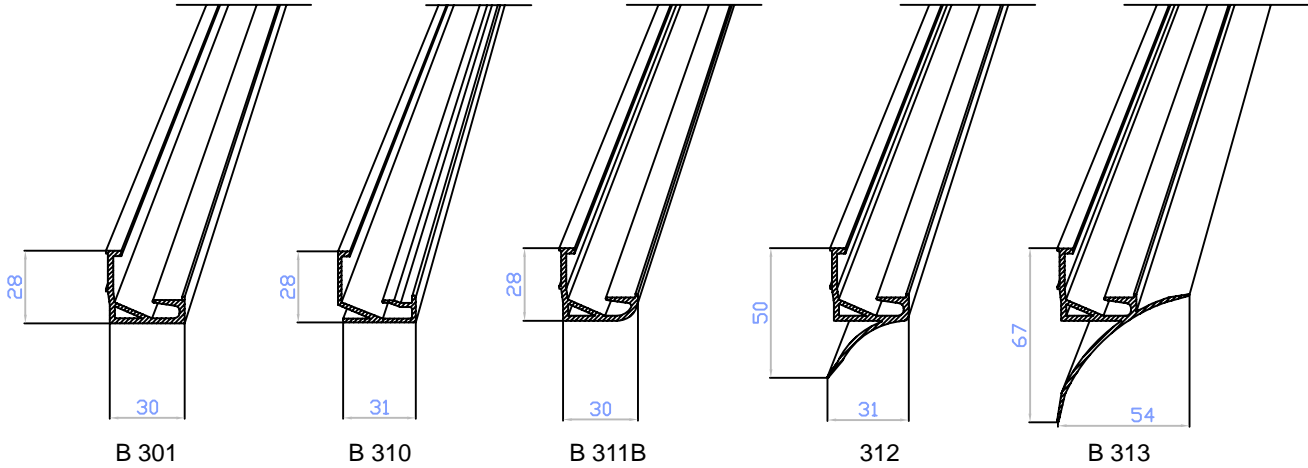


Architect: Hakan Kiran

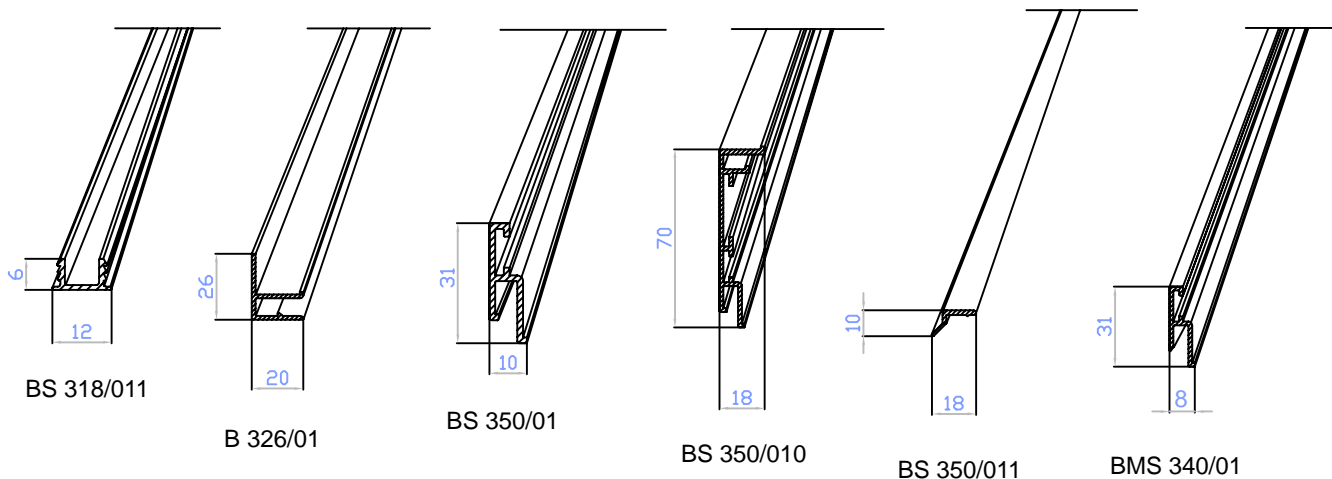


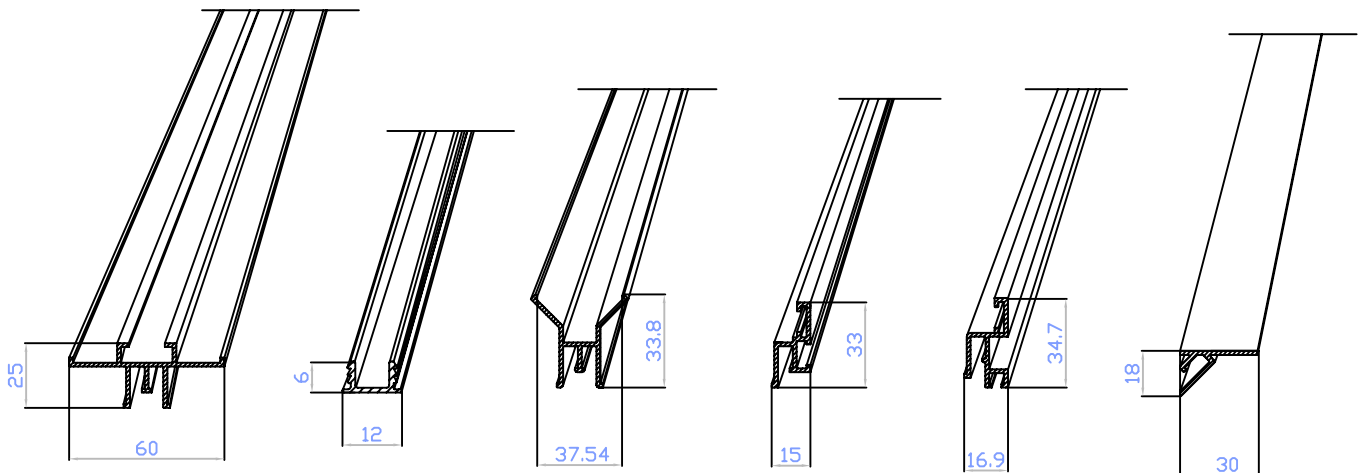
PATENTED TRACKS AND RAILS
(ALL MEASUREMENTS ARE IN MILLIMETERS)

BARRISOL CLASSIC TRACKS AND RAILS



BARRISOL STAR TRACKS AND RAILS





BS 350/02

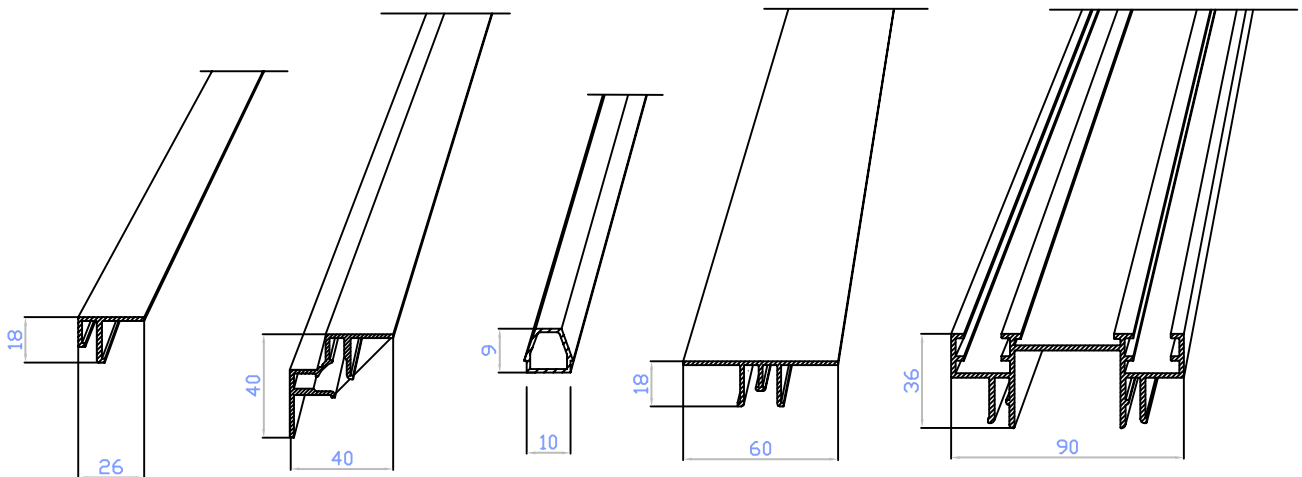
BS 350/021

BS 350/03

BS 350/04

BS 350/05

BS 350/06



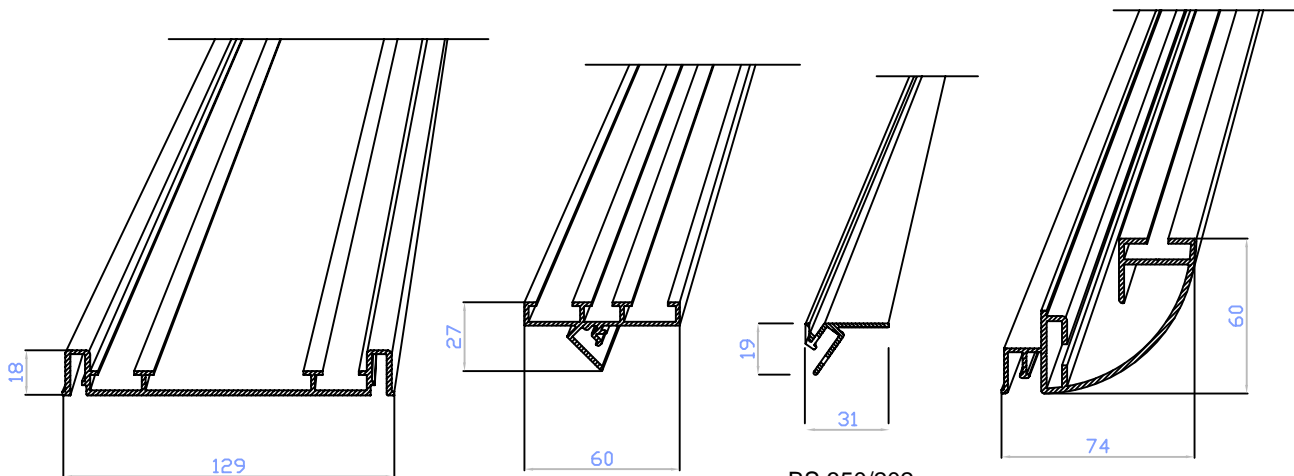
BS 350/11

BS 350/15

BS 350/151

BS 350/16

BS 350/17

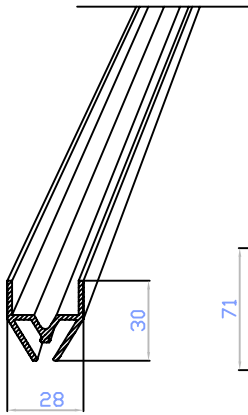


BS 350/18

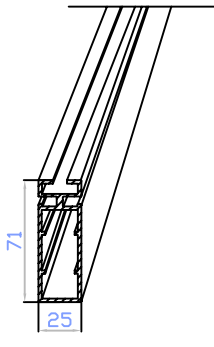
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BS 350/202

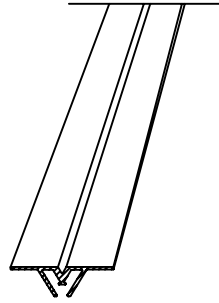
BS 350/165



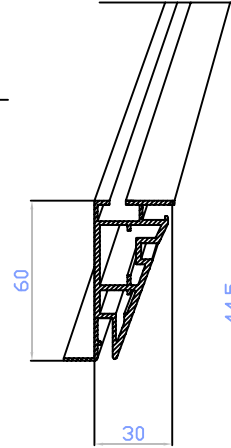
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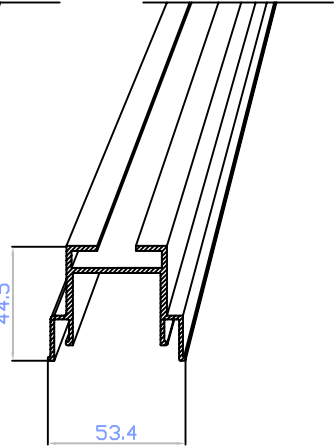
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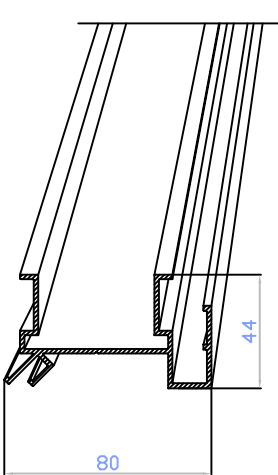
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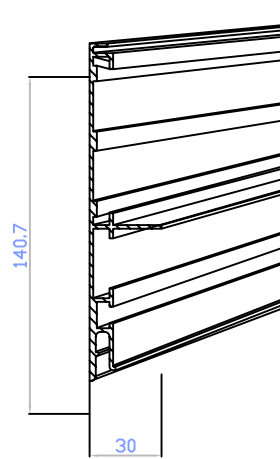
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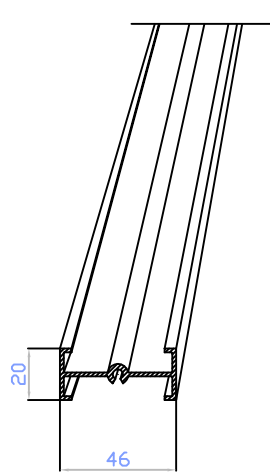
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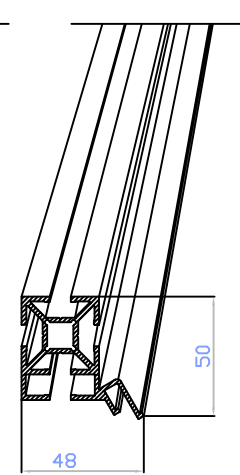
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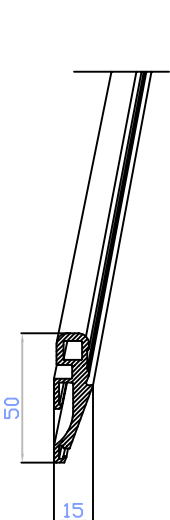
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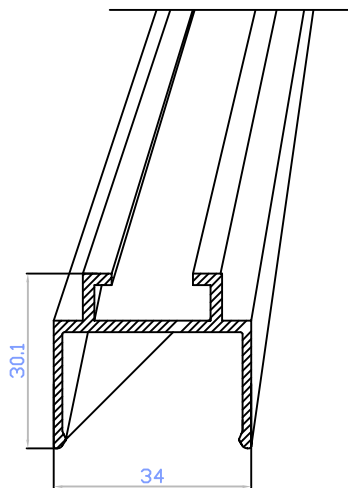
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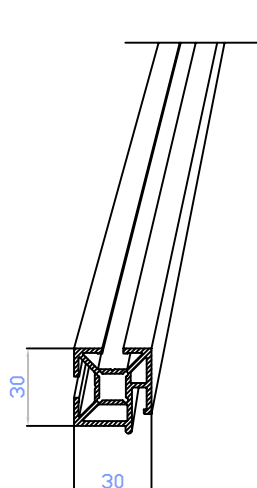
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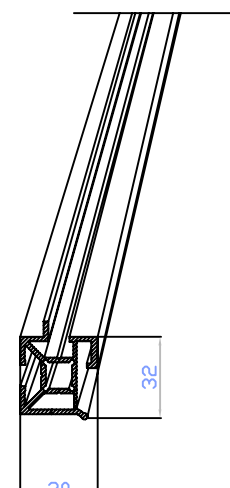
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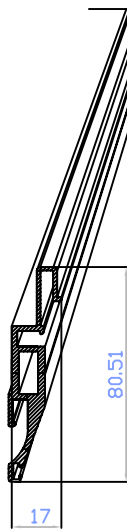
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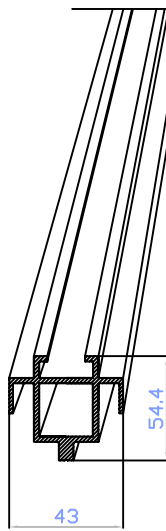
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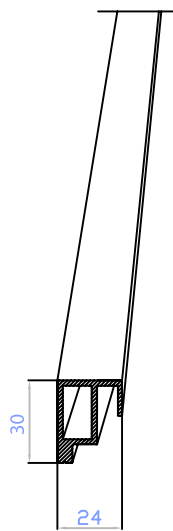
BS 355/07



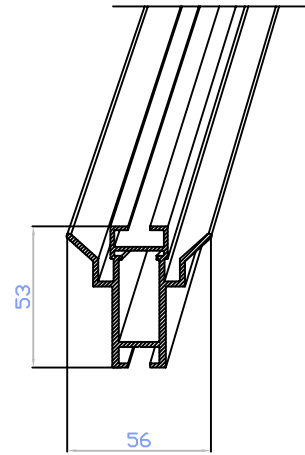
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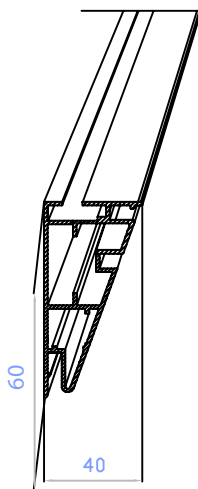
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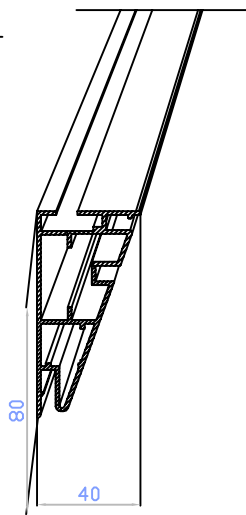
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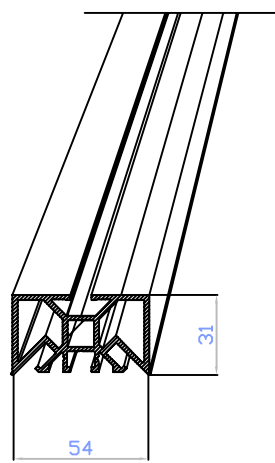
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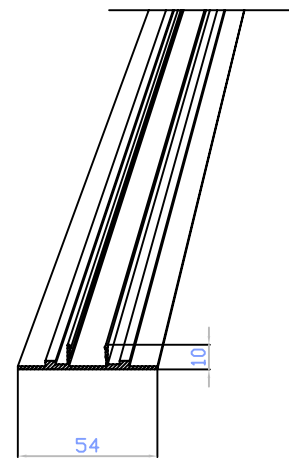
BS 355/14



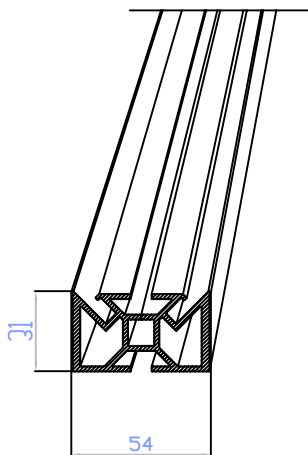
BS 355/15



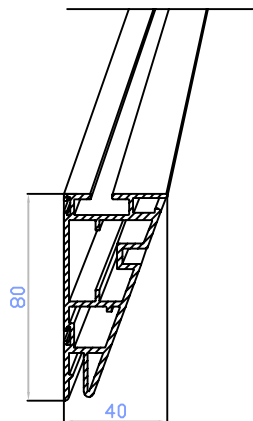
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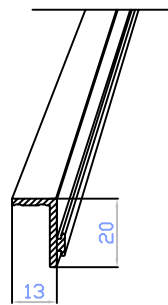
BS 355/171



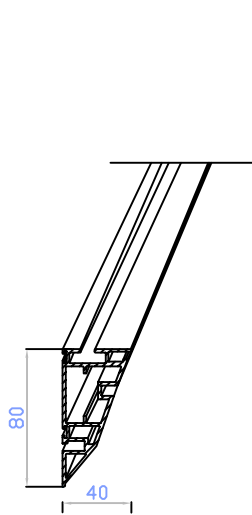
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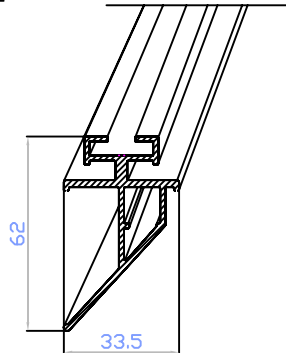
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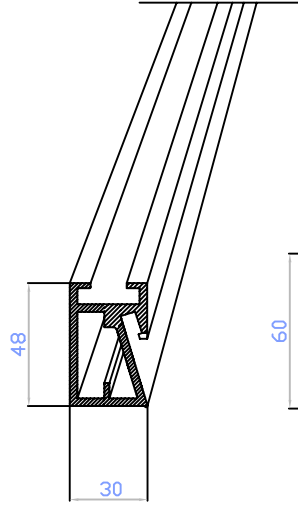
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 complement to
 BS 355/25



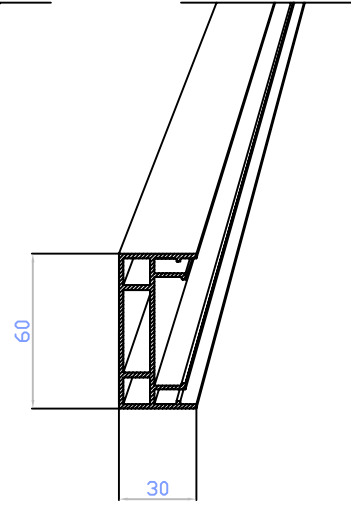
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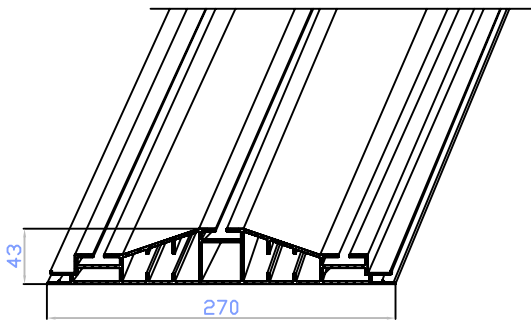
BS 355/45



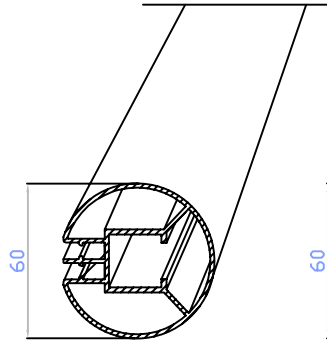
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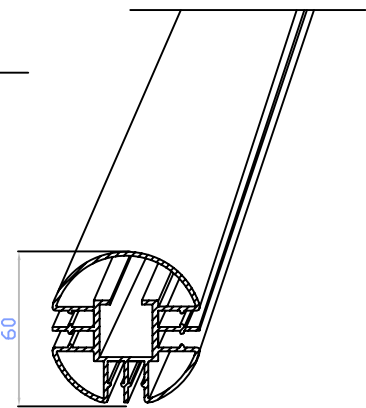
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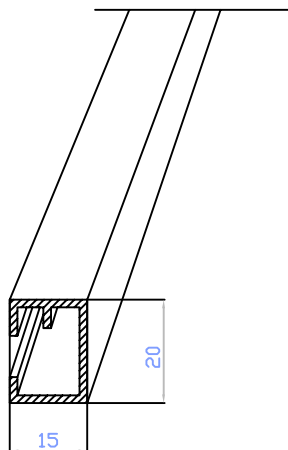
BS355/90



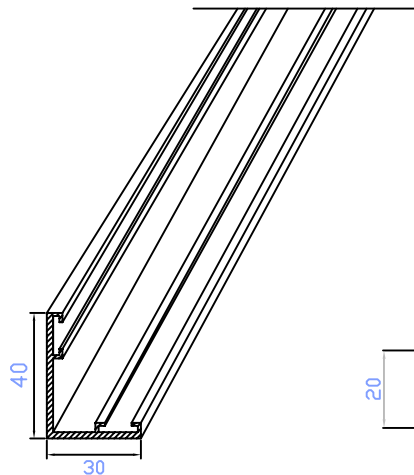
BS 365/20



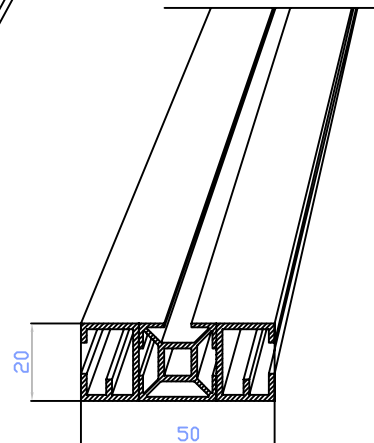
BS 365/30



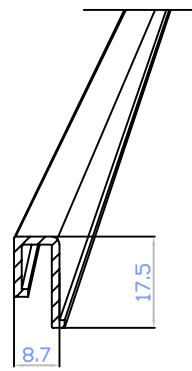
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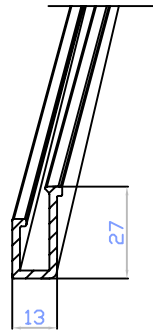
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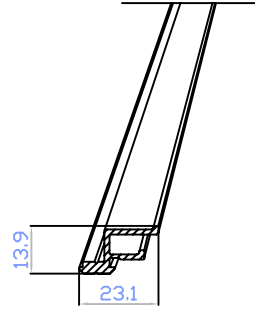
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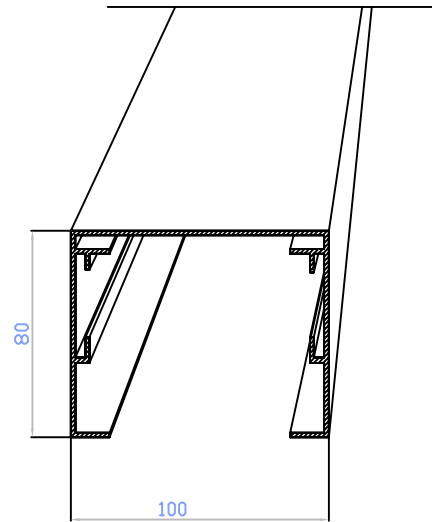
BD 310



BD 320



SYMA SYSTEM



B 550/101

EXAMPLES OF BARRISOL STRUCTURES & FORMS



ellips



tunnel



triangle



BSkin®



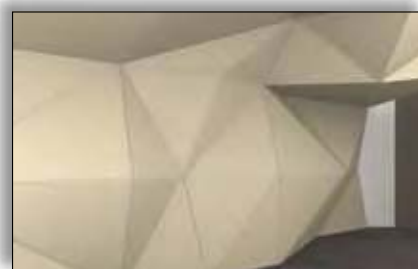
waves



Trempodesign®



suspended frames



3D wall



palm



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.
- 230 colours available for plain textures, 8 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.
- ≈ 1000 m² - sqft 10,000 sqft of Barrisol represents < 180 kg- 360 lb of material for a ≈ 0,10 m³ - 3,53 sq³ volume. (A wooden ceiling of the same size represents ≈ 50 m³ - 1765 sq³ 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.
- Dry and clean installation



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 40 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.
- No static electricity accumulation in the plenum.



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
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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.

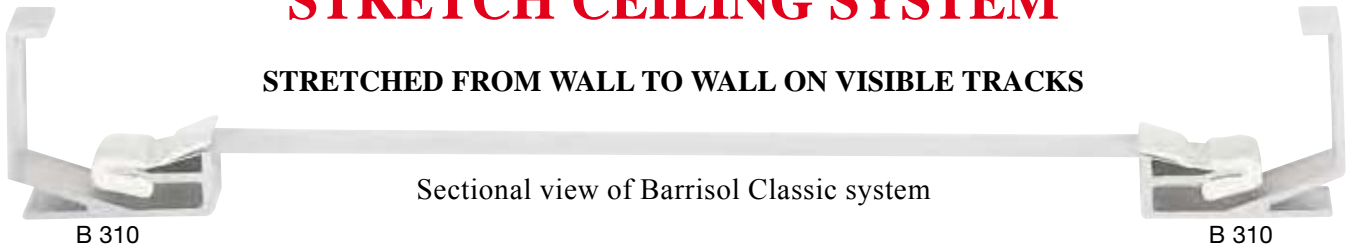
If mechanical ventilation is used, the air inlet and extraction flows must be designed correctly to ensure balance.

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.

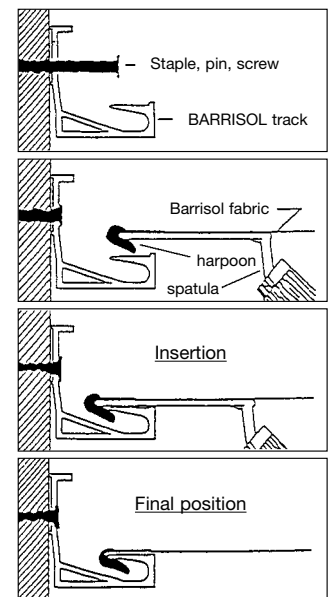
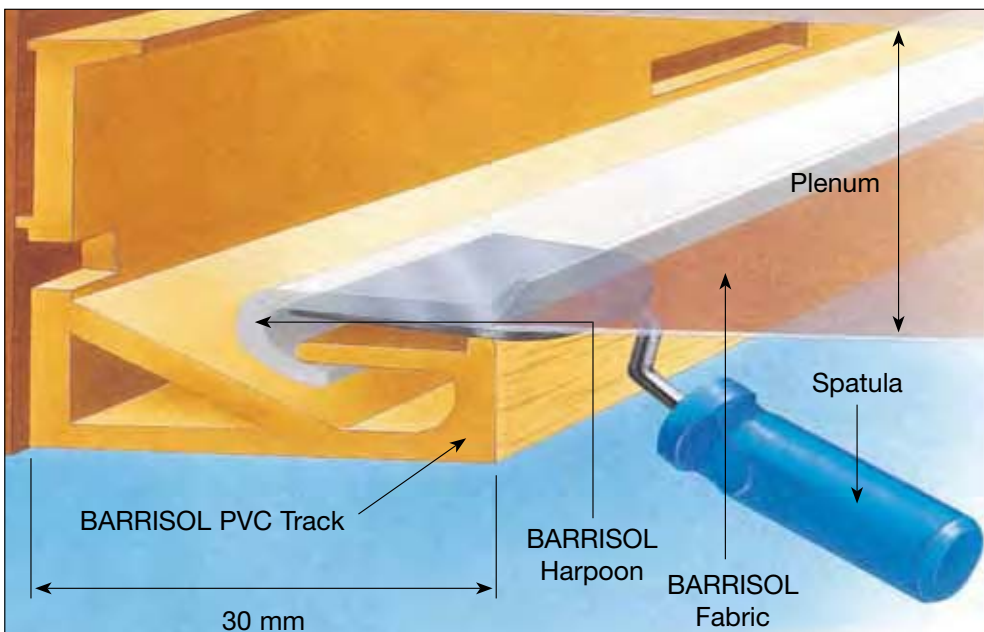
In addition, the customer should protect furniture using blankets or sheets (particularly lacquered or valuable furniture).

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.

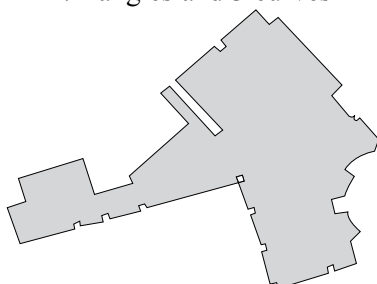
CUSTOM-MADE



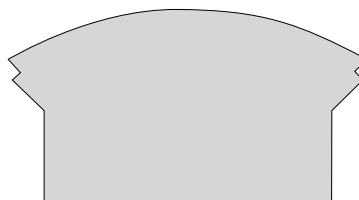
The measurements of the stretch ceilings are taken with a laser on site by Barrisol professionals, plotted on software, defined according to Barrisol standards and transmitted via Internet to the high-tech manufacturing software. The Barrisol Classic ceiling is adapted exactly to the perimeter of the 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

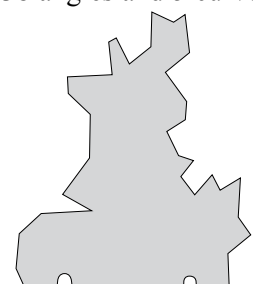
71 angles and 3 curves



10 angles and a large curve



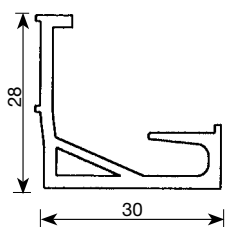
38 angles and 5 curves



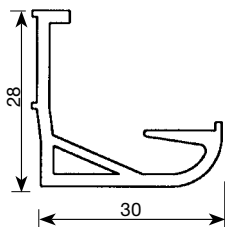
The most complex ceilings are manufactured to the shapes of the rooms to be equipped.

VISIBLE BARRISOL CLASSIC TRACKS

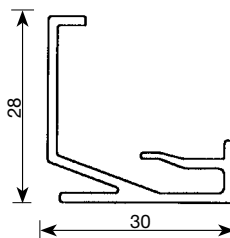
CHOICE OF DECOR:



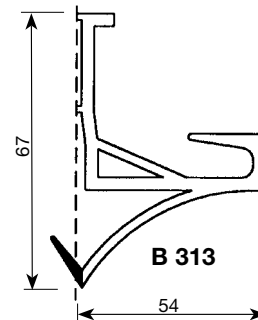
B 301
The Barrisol Classic
PVC track



B 311
The Barrisol Rounded
PVC track



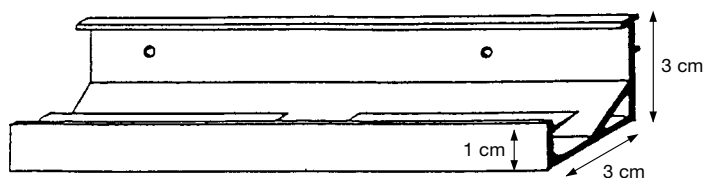
B 310
The Barrisol Classic
aluminium track



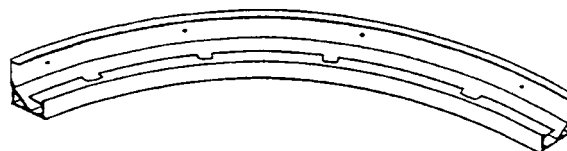
B 313
The Barrisol
Cornice PVC track

CHARACTERISTICS:

PVC or aluminium track



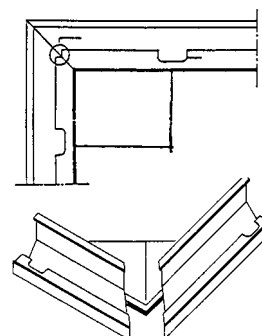
Curved Barrisol Classic track



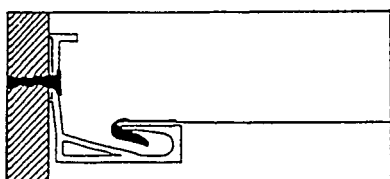
- extruded M1 white PVC tracks
- M0, aluminium, gold or bronze coloured anodised aluminium tracks
- machined to allow the ventilation of the plenum, balanced room and plenum air pressure
- notches for a quick assembly, easy disassembly which facilitates access to the plenum
- insertion of the Barrisol 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

- 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



TRACK ATTACHMENT:



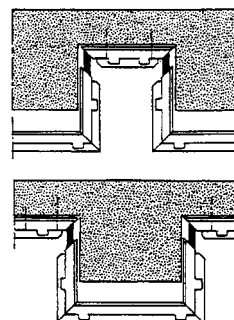
Stapled, screwed, riveted tracks depending on type of walls.

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.

Assembly with aluminium bracket



THE BARRISOL STAR STRETCH CEILING SYSTEM

WITH INVISIBLE TRACKS

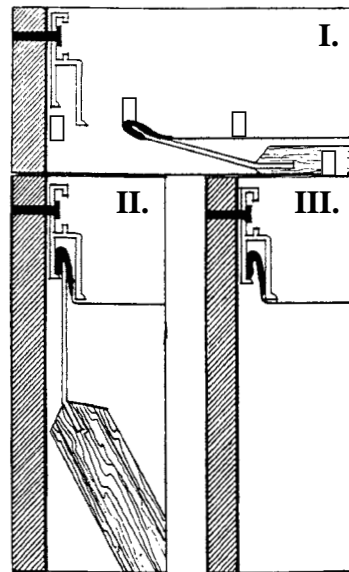


BS 350/01

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.

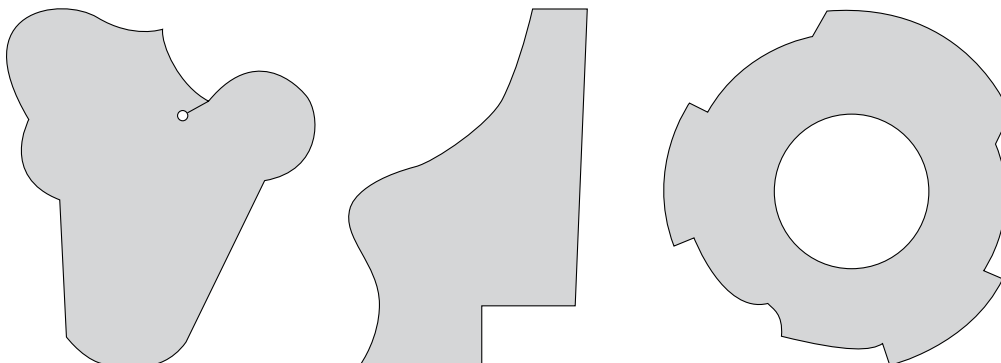
3 - KINDS - OF BARRISOL-STAR tracks allow the fitting of the ceiling at different plenum heights or between cornices or at a distance from the wall.

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.

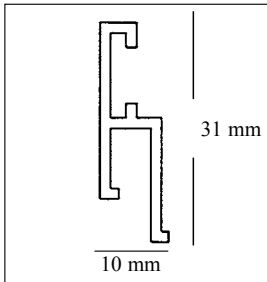
LASER AND HIGH-TECH SOFTWARE



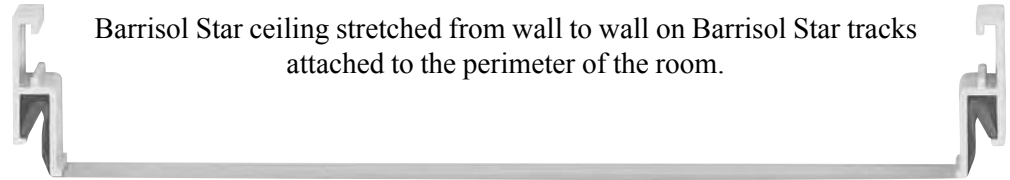
Laser measurements.
Software drawing plotting.
Transmission via Internet to manufacturing software.

BARRISOL STAR STRETCH CEILING TRACKS

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



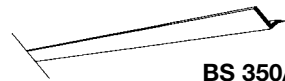
BS 350/01
To be fixed to wall



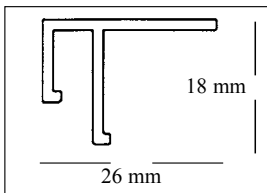
Barrisol Star ceiling stretched from wall to wall on Barrisol Star tracks attached to the perimeter of the room.

Any plenum height up to 32 mm from the existing ceiling

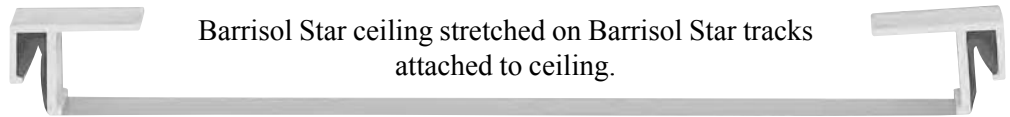
Option: PVC finishing joints



BS 350/011

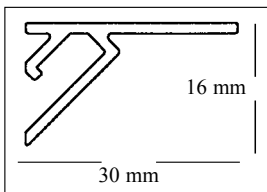


BS 350/11
To be fixed to ceiling

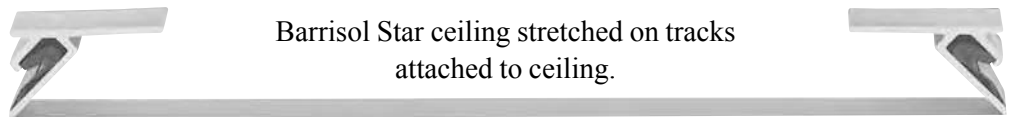


Barrisol Star ceiling stretched on Barrisol Star tracks attached to ceiling.

- for low plenum heights
- between cornices



BS 350/202
To be fixed to ceiling



Barrisol Star ceiling stretched on tracks attached to ceiling.

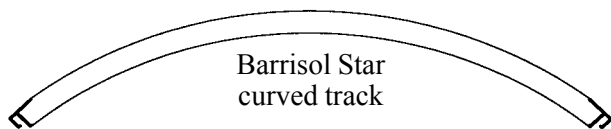
The stretch ceiling must be at least 10 cm from the wall.

ROUNDED BARRISOL STAR TRACKS

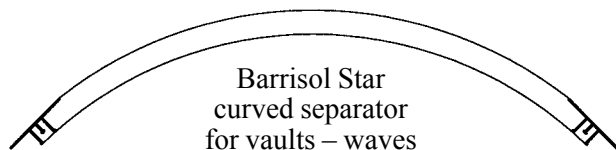
- **CURVED** for 3D

Curved tracks custom-made in the factory

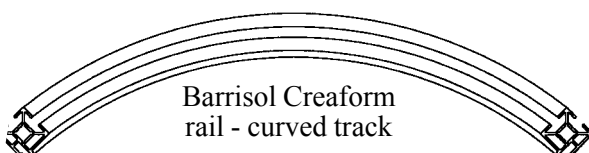
- for large curve and vault lengths
- for Barrisol Creaform



Barrisol Star curved track

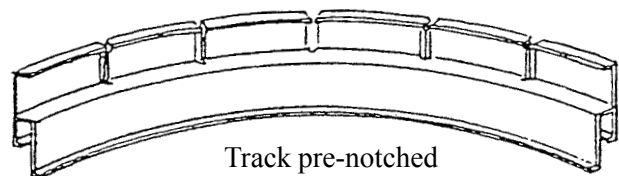


Barrisol Star curved separator for vaults – waves



Barrisol Creaform rail - curved track

- **PRE-NOTCHED** for rounded shapes



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



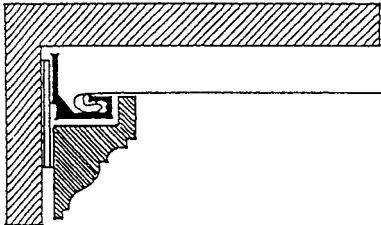
Notched tracks to be fixed on rounded supports



Notched track and separator for vaults

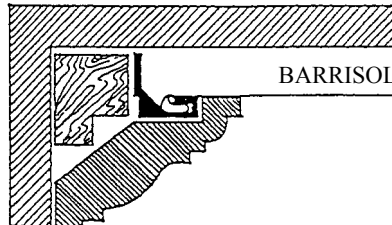
CORNICES AND BEAMS

INTEGRATED CORNICE



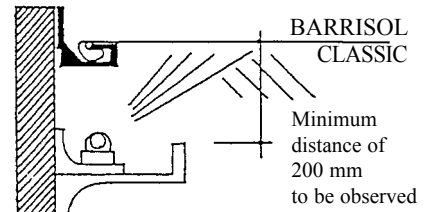
Composed of a Barrisol Classic track and cornice out of samba wood to be painted or varnished.

MOUNTED CORNICE



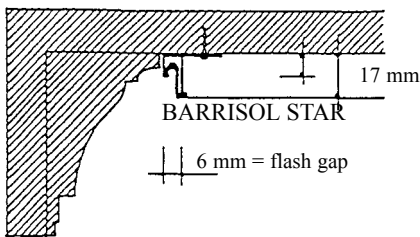
The Barrisol Classic installation adapts to the wooden plaster or polyurethane cornice

CORNICE WITH LIGHTING

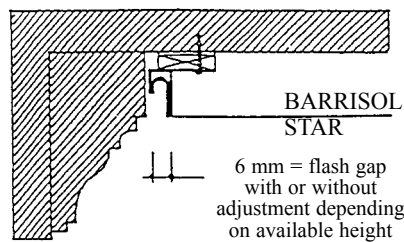


Lighting cornice, placed 200 mm from the wall, diffuses its light on the matt or satin ceiling

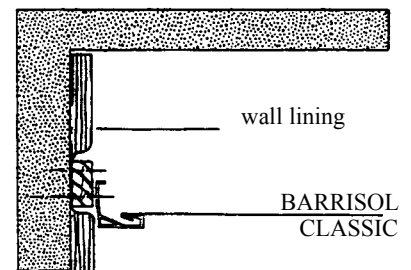
EXISTING CORNICES



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

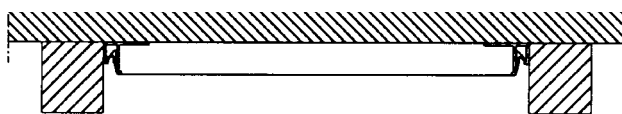


CEILING FIXED ONTO WALL LINING



Barrisol Classic track fixed onto surface between lining

STRETCHED CEILING BARRISOL STAR BETWEEN BEAMS



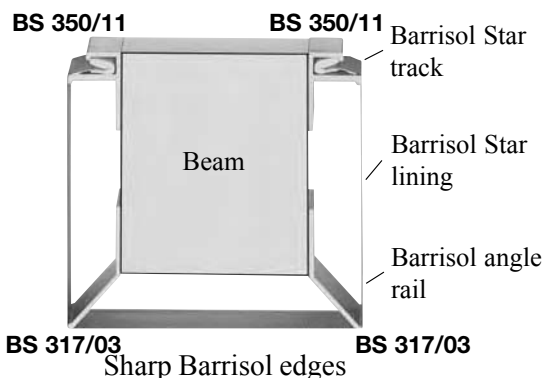
Barrisol Star tracks fixed to the existing ceiling. Stretched ceiling from beam to beam. 6 mm flash gap joint.

BEAM LINING

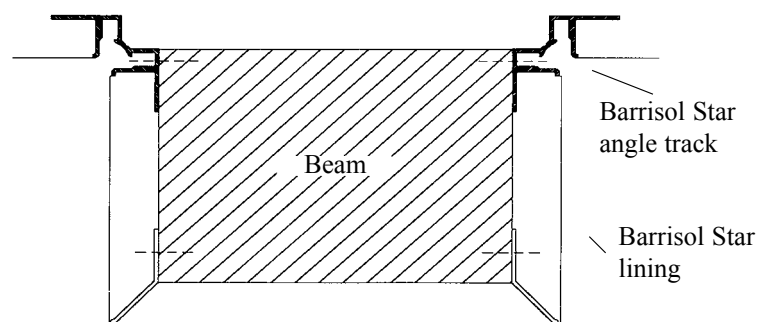


Rounded Barrisol edges

BEAM LINING



BEAM-CEILING JOIN



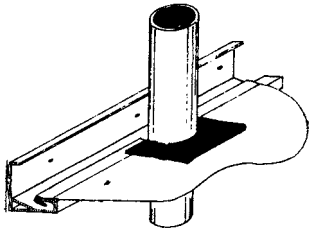
Join between Barrisol Star stretch ceilings and a lined Barrisol beam

INCORPORATION OF PIPES, PILLARS, COLUMNS

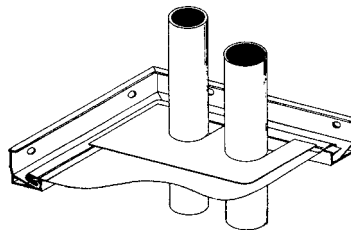
BARRISOL PIPE INCORPORATION SYSTEM

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)



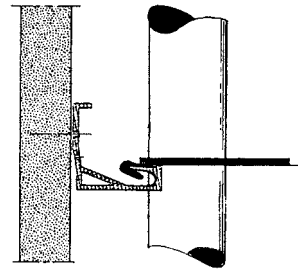
for one pipe



for 2 paired pipes

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

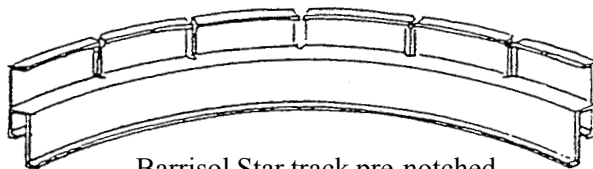
- **More than 3 cm from the wall**



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

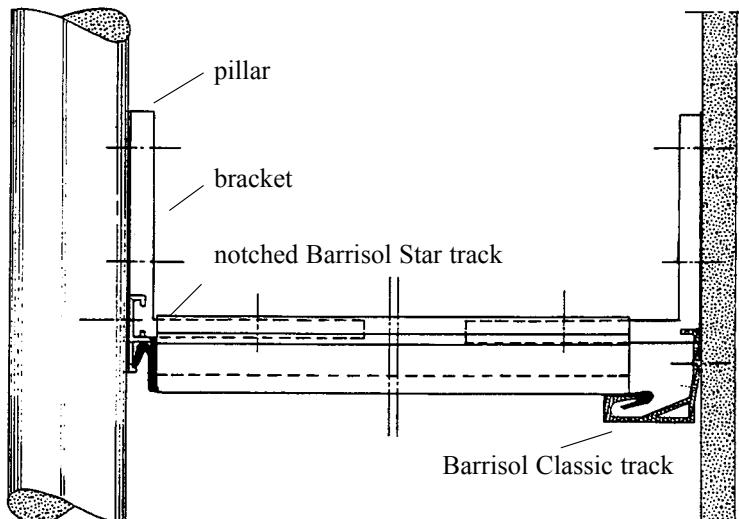
CURVED AND NOTCHED TRACKS FOR PILLARS AND COLUMNS

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



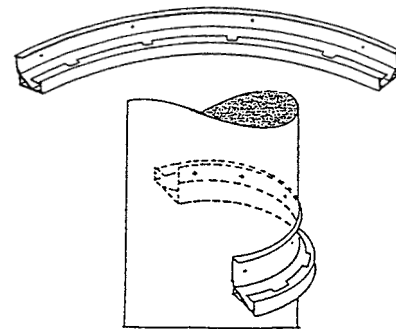
Barrisol Star track pre-notched to fit the circumference of the pillars exactly.

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

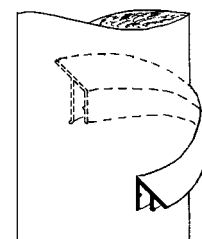


Sectional view

- **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.

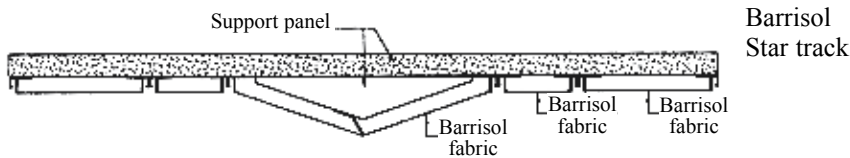


- Curved M0 aluminium Barriline track custom-made in factory to the pillar and column measurements.

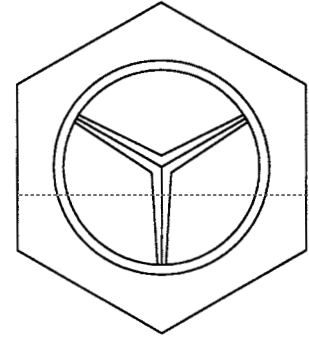
INCORPORATION OF INSET DESIGNS & LOGOS

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

EMBEDDING OF LOGOS



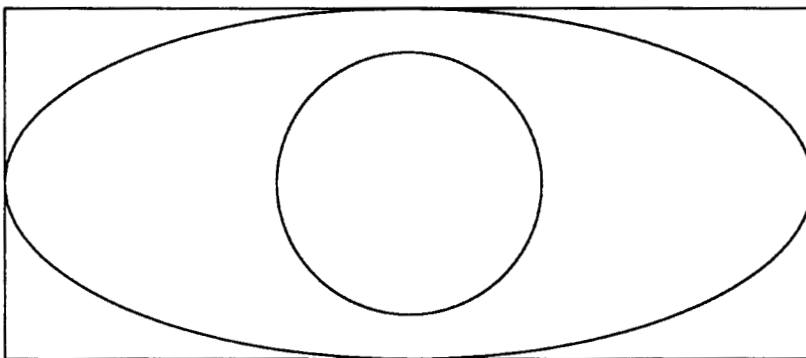
Embedding of MERCEDES logo in Barrisol Star stretch ceiling (sectional view)



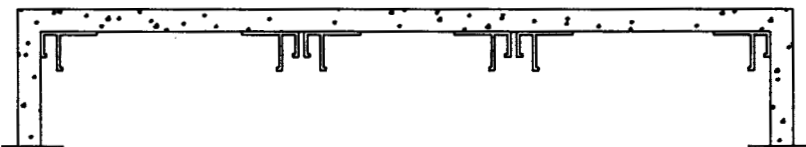
"Mercedes" logo produced in Barrisol Star stretch ceiling on Barrisol Star tracks

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.

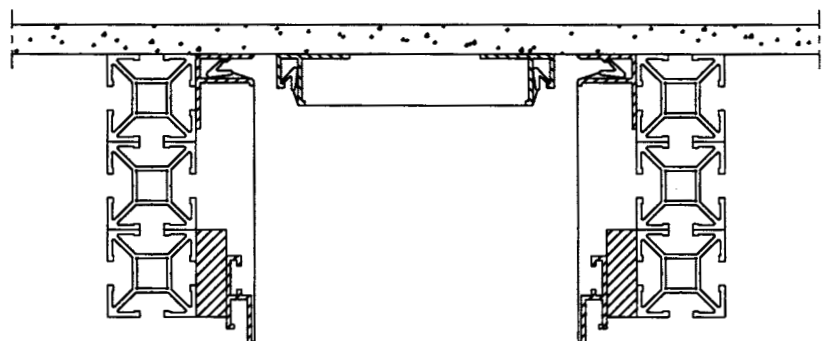


The Barrisol Star stretch ceiling can be square, rectangular, ovoid or any other shape. The two ceilings are stretched on Barrisol Star tracks

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.

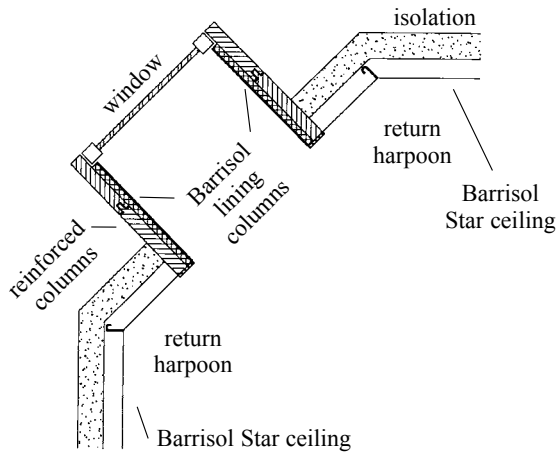


BARRISOL INCORPORATION

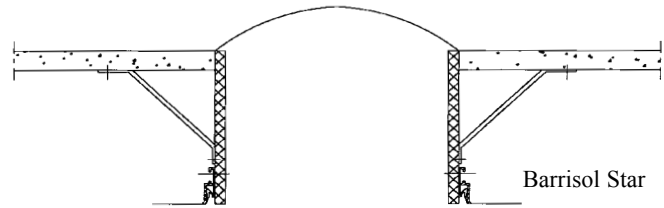
SKY-LIGHTS, ROOF WINDOWS, ROLLING SHUTTERS, INSPECTION PANELS IN BARRISOL CLASSIC AND BARRISOL STAR CEILINGS

ROOF WINDOW

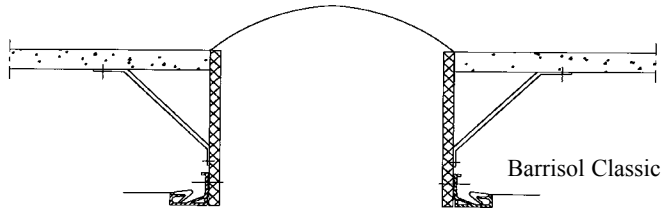
between 2 Barrisol Star ceilings



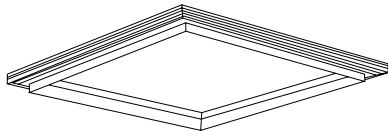
SKY-LIGHT



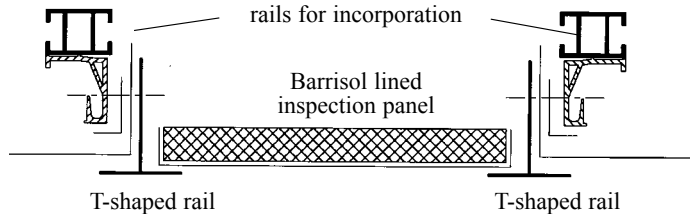
2 ceilings are inserted into tracks fixed on each reinforced column of the sky-lights which can be produced in various decorative shapes



INSPECTION PANEL

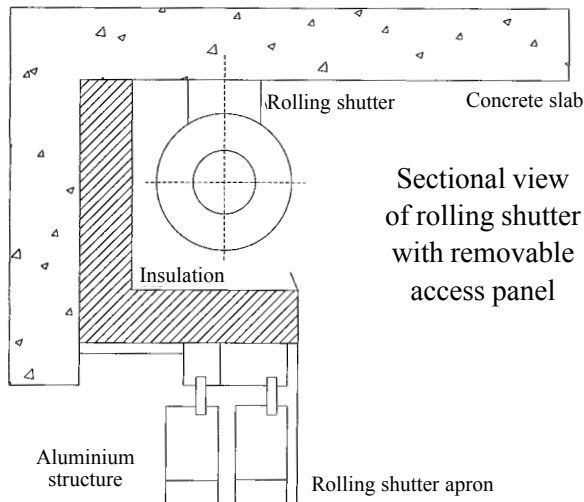


Barrisol fabric stretched on frame
or Barrisol Ceiling Tile



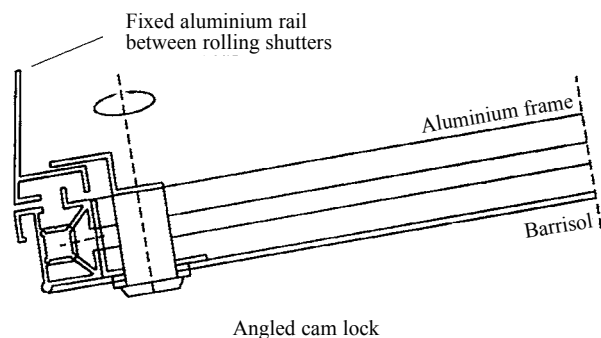
Support for inspection panel

ROLLING SHUTTERS



Sectional view
of rolling shutter
with removable
access panel

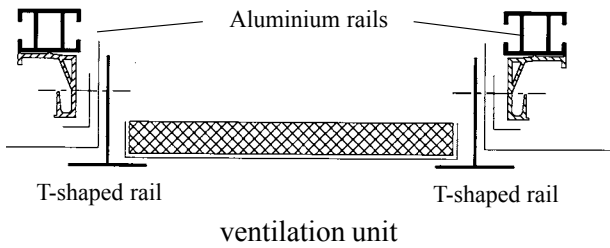
ROLLING SHUTTER REMOVABLE ACCESS PANEL (EXTERIOR)



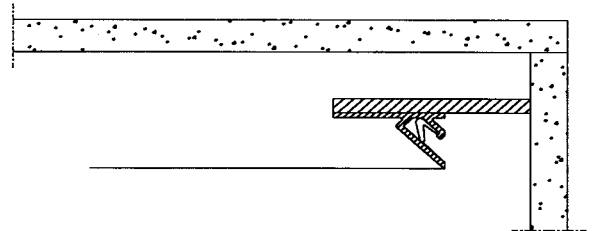
ALL TECHNICAL EQUIPMENT CAN BE INCORPORATED

IN BARRISOL CLASSIC AND BARRISOL STAR CEILINGS

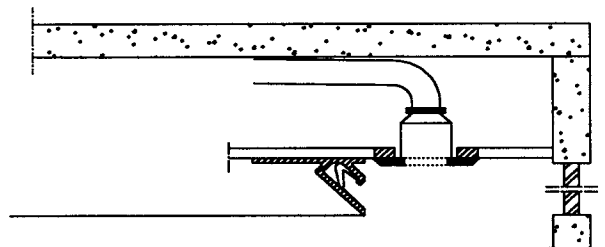
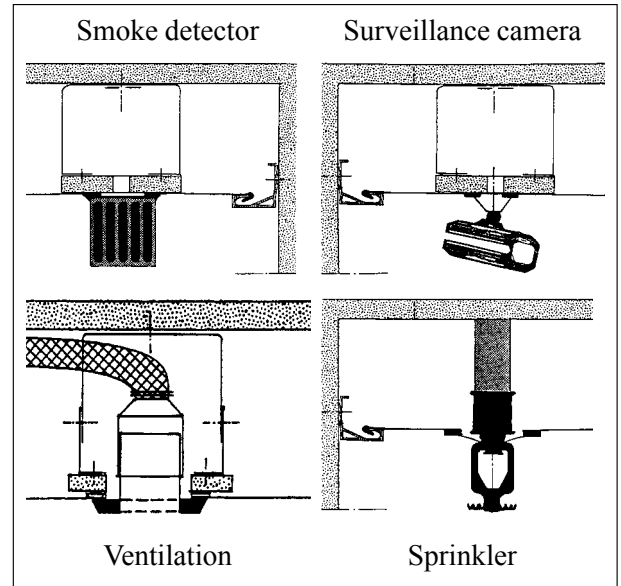
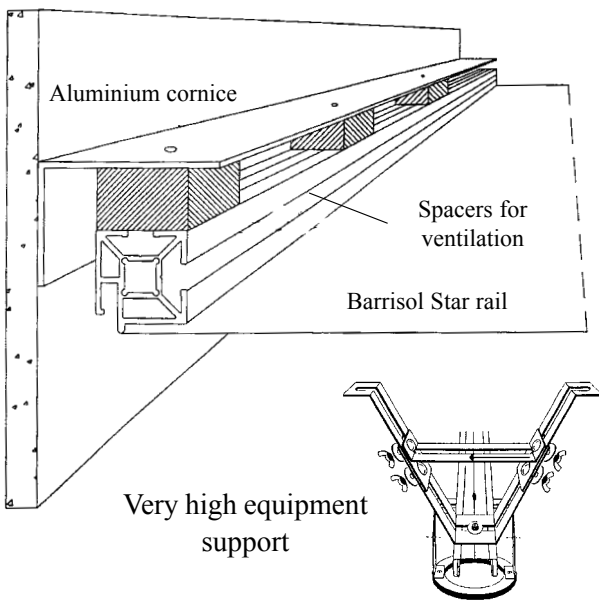
Air conditioning or ventilation unit support



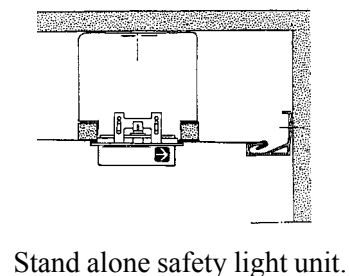
Technical device on perimeter of stretch ceilings.
Decorative finish.



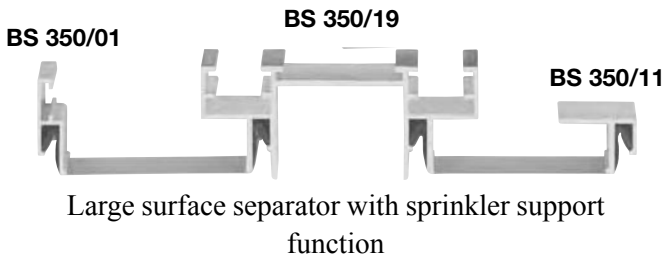
Air flow balancing system for ventilation in plenum



Air supply or extract system on glazed surfaces.



Stand alone safety light unit.



Large surface separator with sprinkler support function



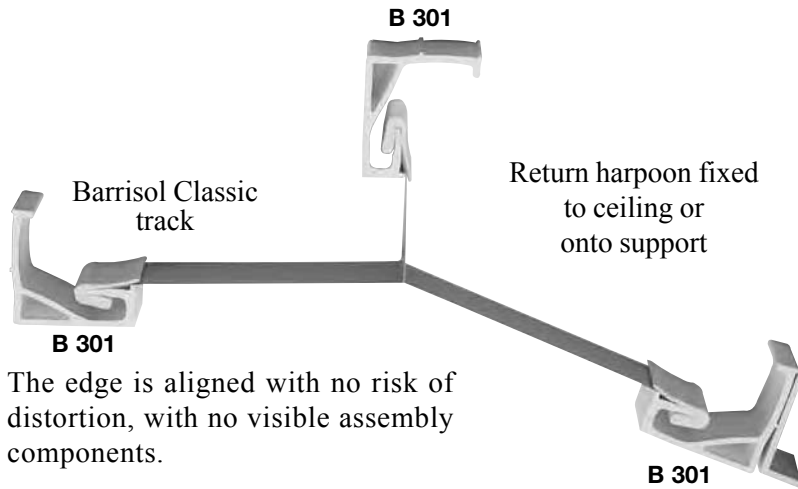
Large surface separator with air conditioning support function

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.

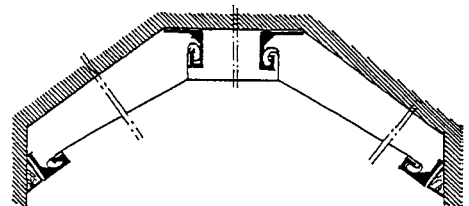
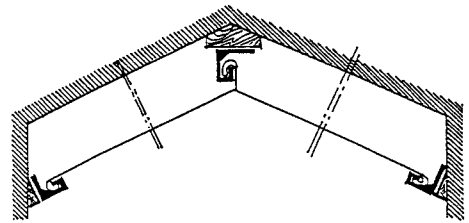
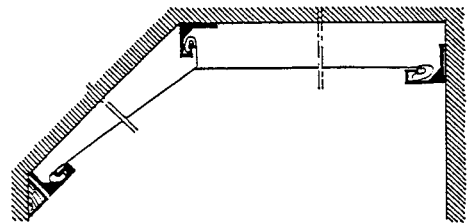
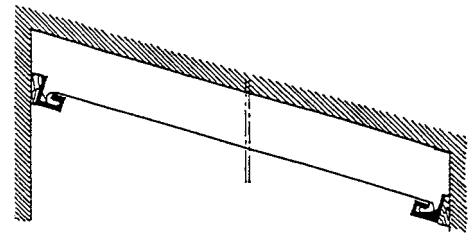
THE RETURN HARPOON SYSTEM

Supports sloping stretch ceilings all along the edge.

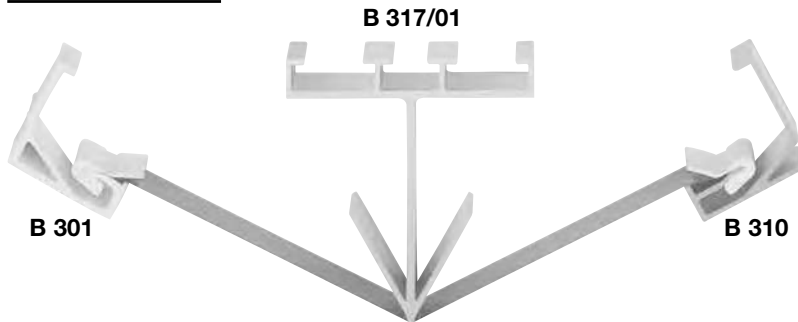


The edge is aligned with no risk of distortion, with no visible assembly components.

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

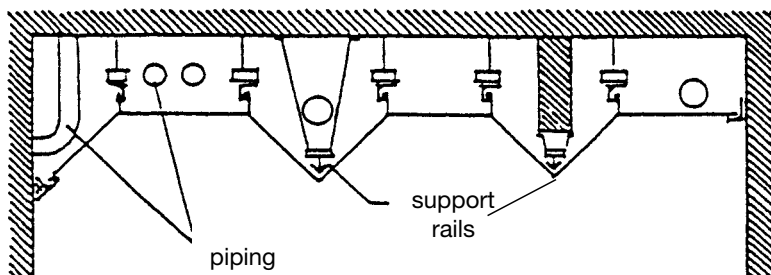


SUPPORT RAIL



Multiple slope ceiling with support rail

CREATION



Architect: Marc Essartier

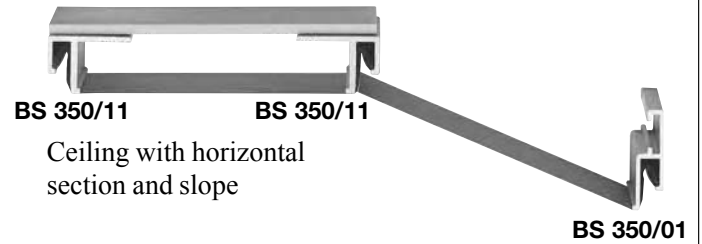
Decorative composition of sloping ceilings with return harpoons and support rails. Piping is placed in the plenum.

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

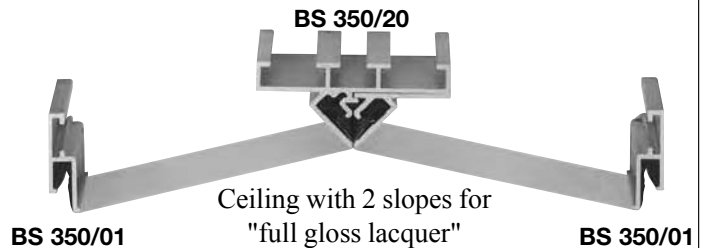
- Return harpoon and Barrisol Star track ((low plenum height)



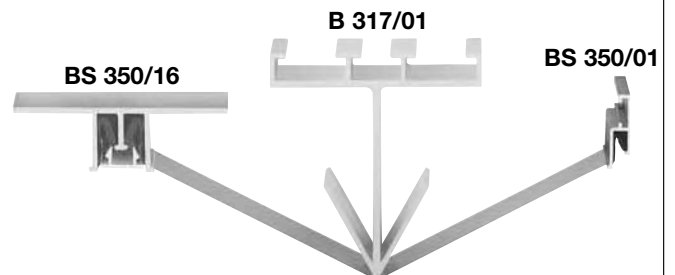
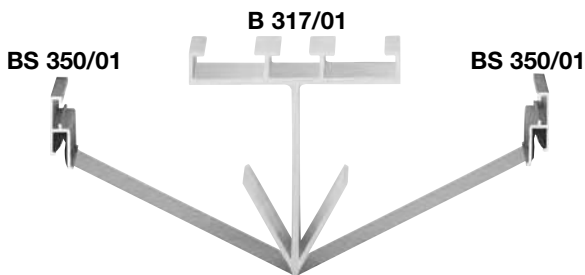
- Flash gap joint separator joining two slopes (low plenum height)



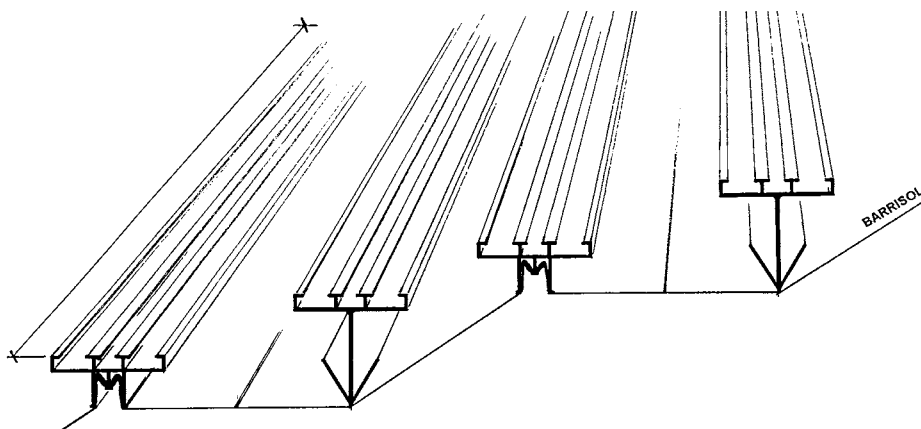
- Super Star separator (any plenum height)



SUPPORT RAIL IN BARRISOL STAR CEILINGS



CREATION

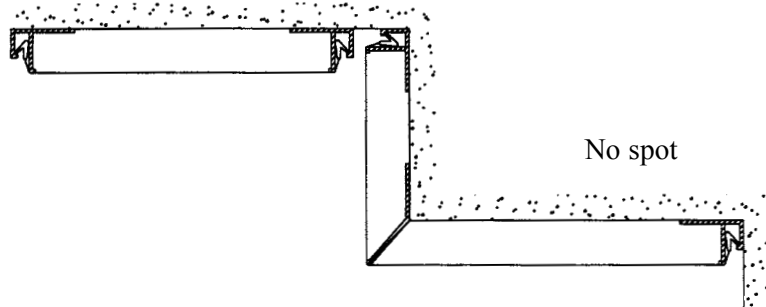


Composition of Barrisol Star ceilings mounted on Barrisol Star separator with change in slope using support rail.

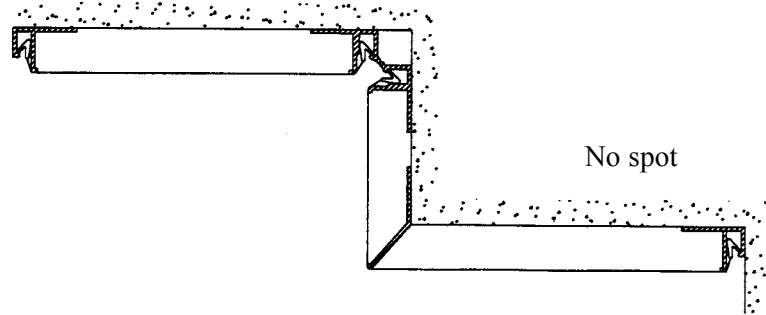
STRETCH CEILINGS WITH RECESS

BARRISOL STAR STRETCH CEILINGS WITH SHARP EDGE ON RECESS

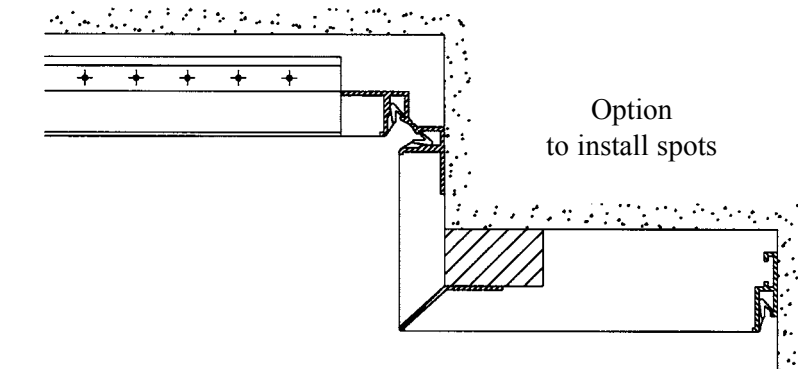
PLENUM HEIGHT
17,5 mm
(first solution)



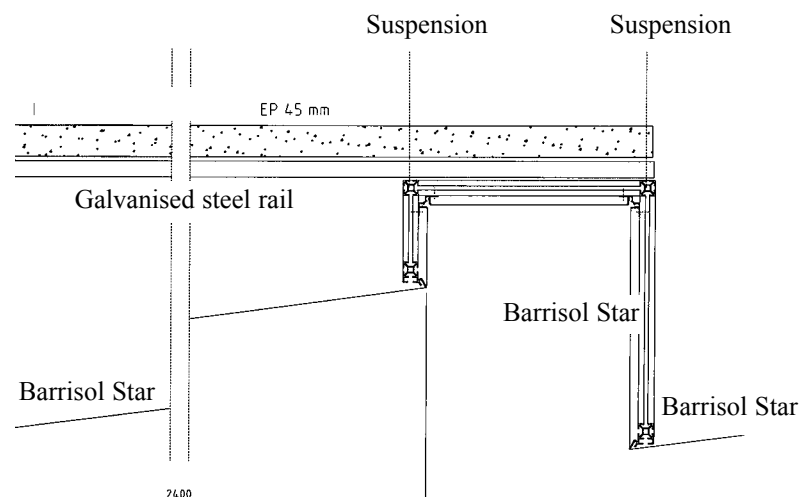
PLENUM HEIGHT
17,5 mm
(second solution)



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.

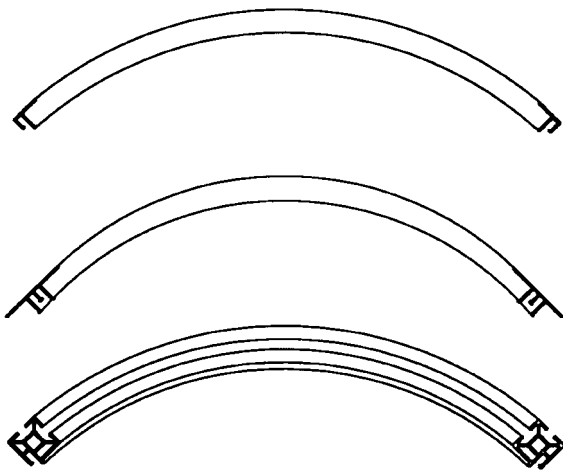
Barrisol 3D:

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

BARRISOL STAR 3D TRACKS

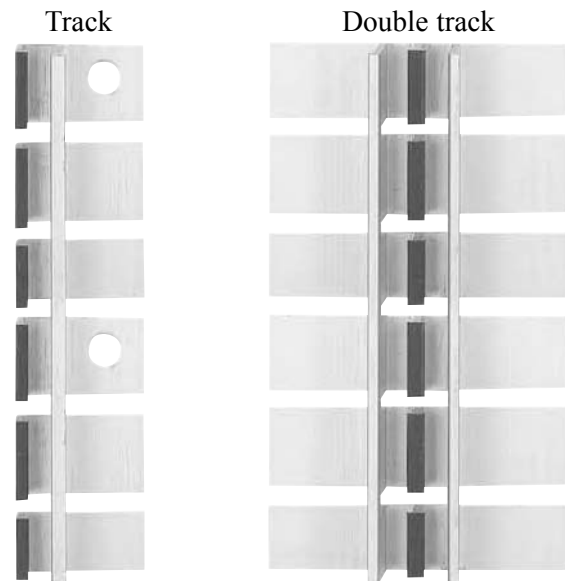
CURVED BARRISOL STAR TRACKS, DOUBLE TRACKS ARE CUSTOM-MADE IN THE FACTORY OR PRE-NOTCHED

CURVED BARRISOL STAR TRACKS



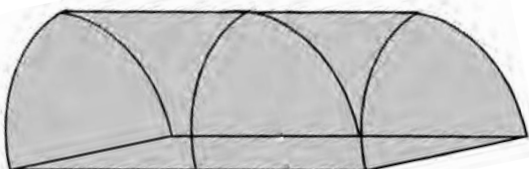
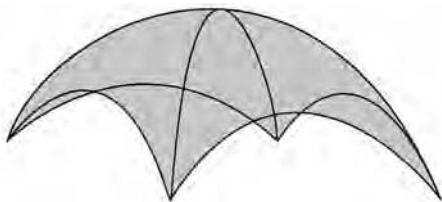
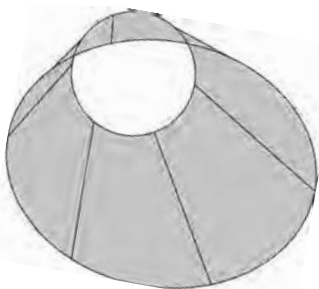
Curved tracks custom-made in the factory

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

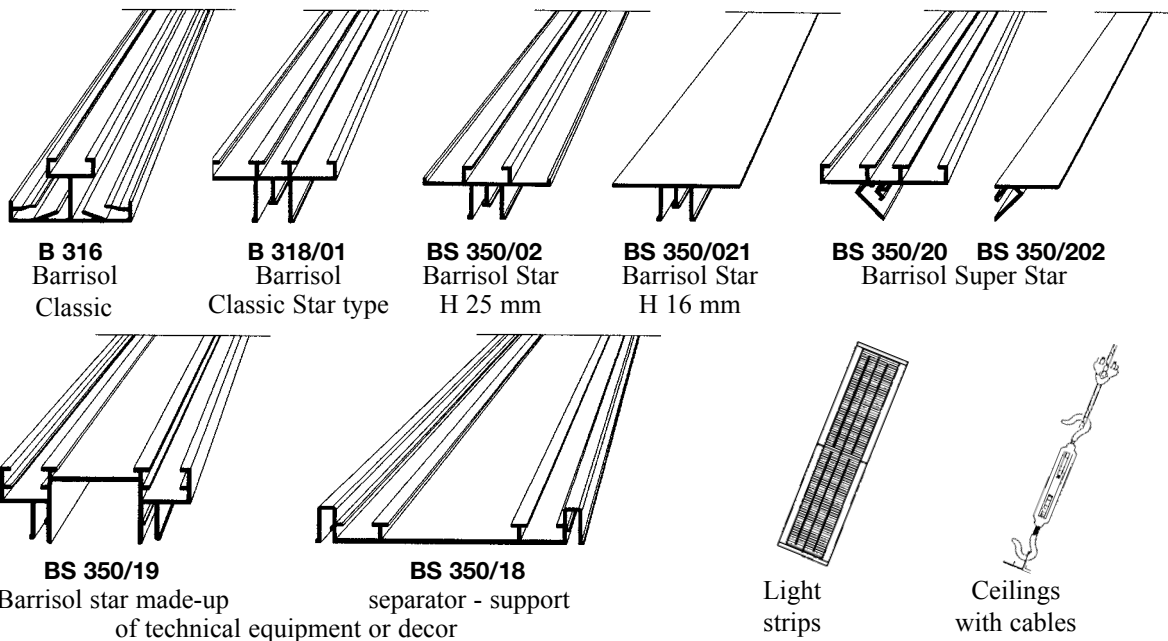
LARGE SURFACES

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.

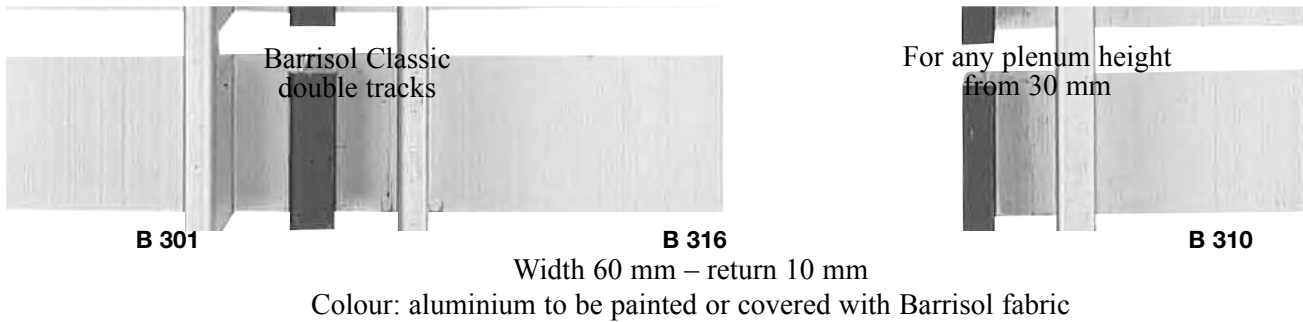
BARRISOL SEPARATORS



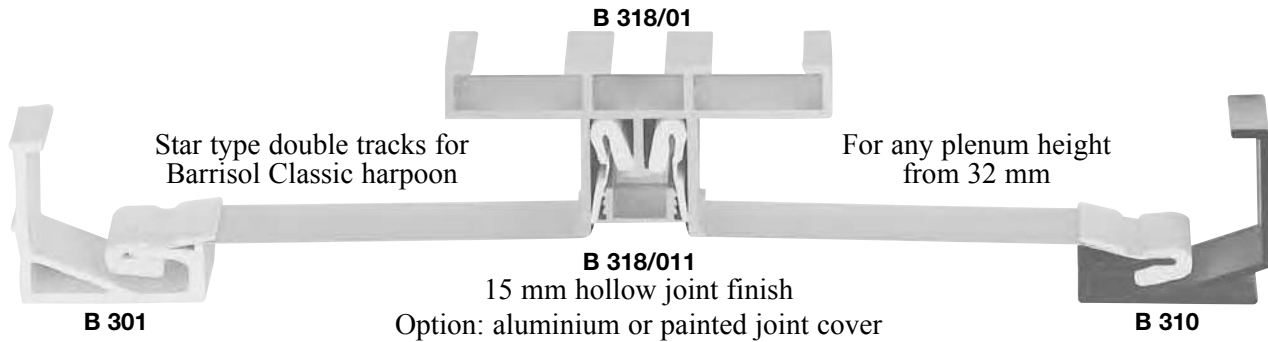
BARRISOL CLASSIC AND BARRISOL STAR SEPARATORS

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

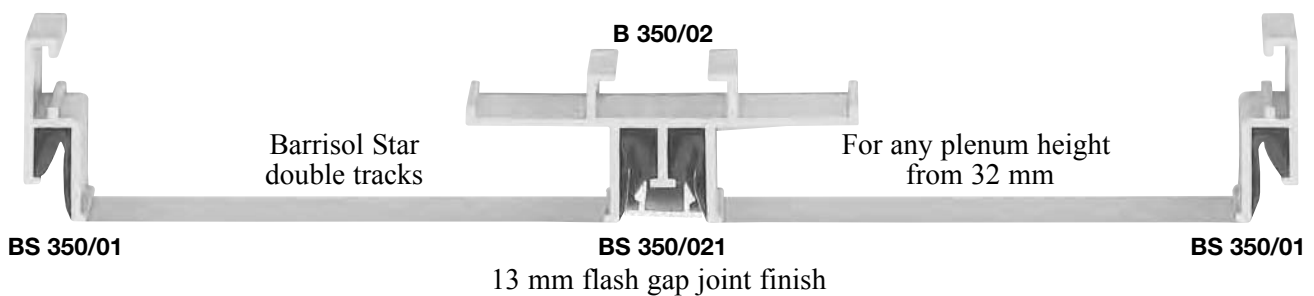
BARRISOL CLASSIC SEPARATOR



BARRISOL CLASSIC STAR TYPE SEPARATOR



BARRISOL STAR SEPARATOR TO BE FIXED TO WALL



BARRISOL STAR SEPARATOR TO BE FIXED TO CEILING



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



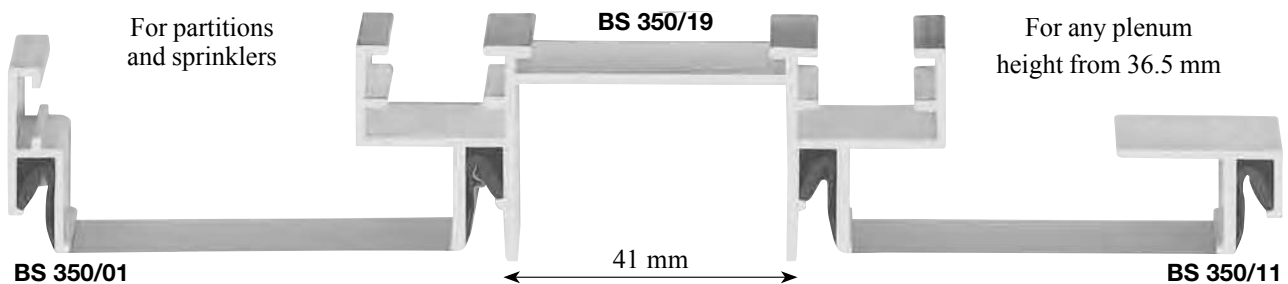
The Super Star separator is composed of 2 parts. The first ceiling is inserted into the left part.



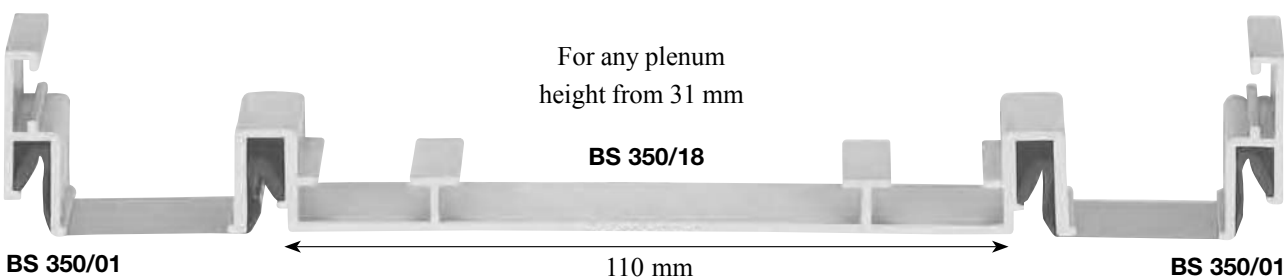
The second ceiling is inserted into the right part. Both separators together enclose the 2 ceilings.

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

COMBINATION OF SEPARATOR-TECHNICAL EQUIPMENT SUPPORT OR DECOR

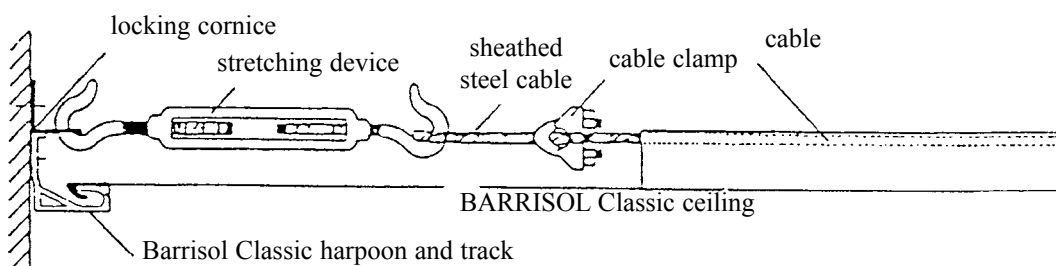


COMBINATION OF SEPARATOR-TECHNICAL EQUIPMENT SUPPORT OR DECOR



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:

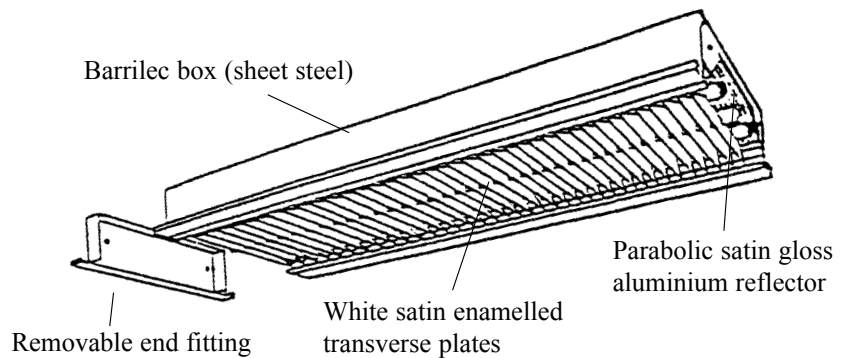
Light strip elements with built-in interlocking system, with high reflection power and low luminance.

2 lengths

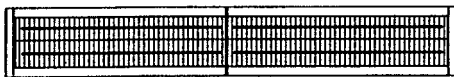
- 1525 x 250 x 100 mm
- 1255 x 250 x 100 mm

Removable end fittings

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

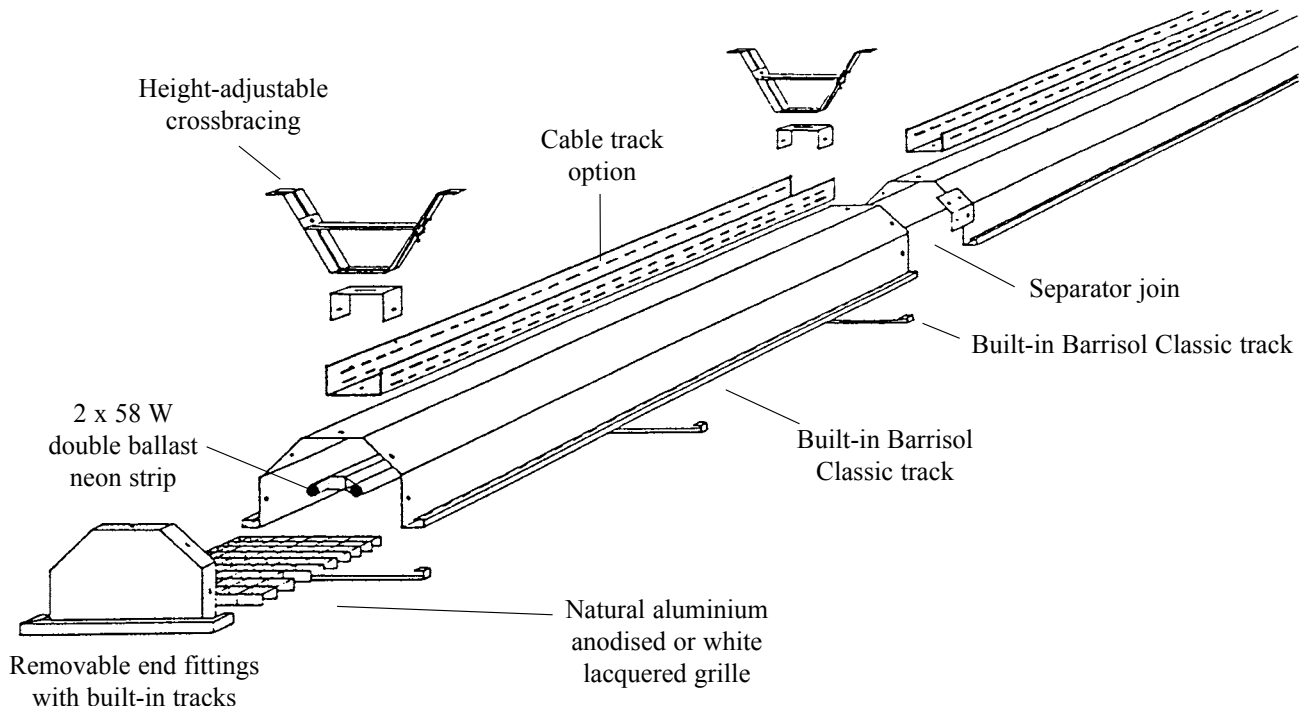


2 or more Barrilec Unos can be aligned in light strips



BARRILEC ECO:

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



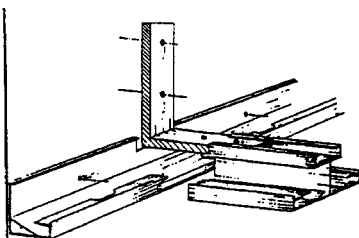
INSTALLING STRETCH CEILINGS ON LARGE AREAS

BARRISOL CLASSIC – BARRISOL STAR – BARRISOL TREMPO

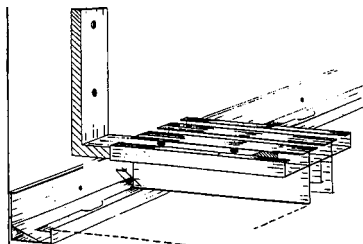
CREATING A STABLE AND RESISTANT ASSEMBLY

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..

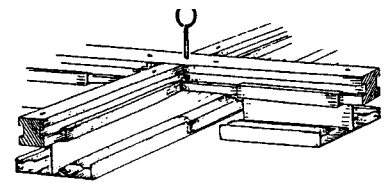
SEPARATOR CONNECTION AND JOINING ACCESSORIES



Barrisol separator fixed on Barrisol Classic tracks

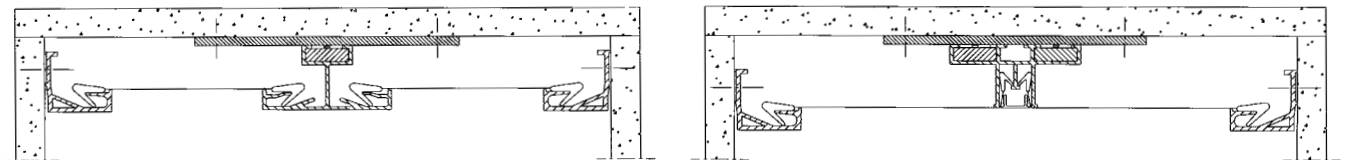


Barrisol Star separator fixed on Barrisol Classic tracks

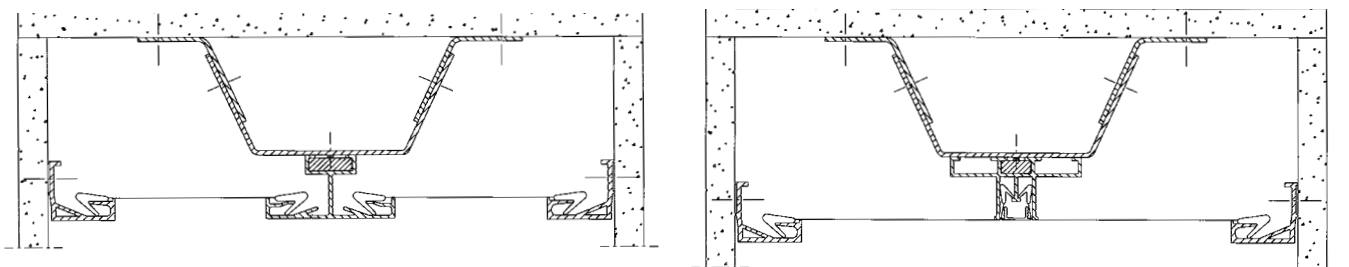


Join of 2 separators

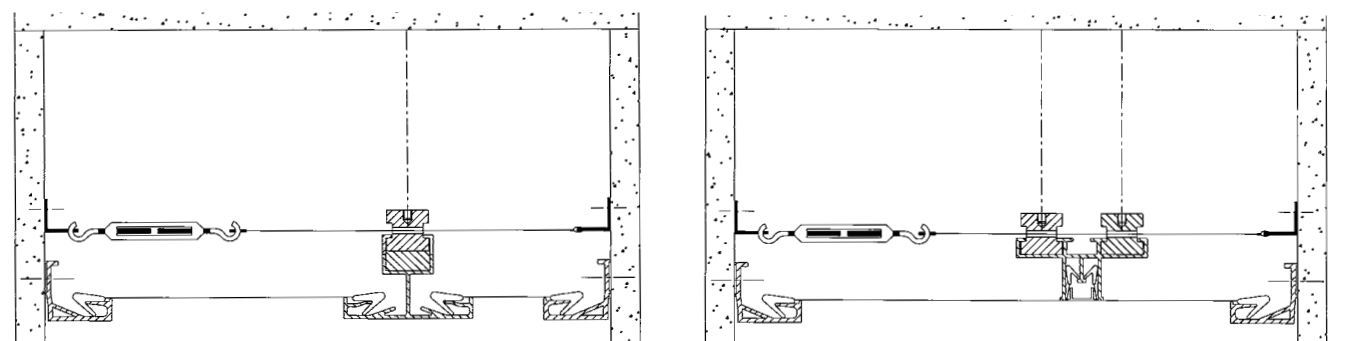
SEPARATOR INSTALLATION ACCORDING TO PLENUM HEIGHT



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.

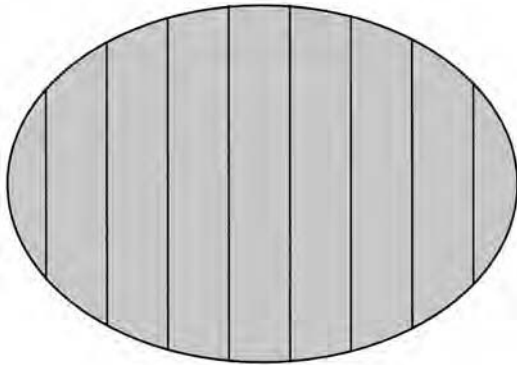


Very high plenum height: the separator is fixed at regular intervals to the ceiling with steel cables and to the wall with stretching devices.

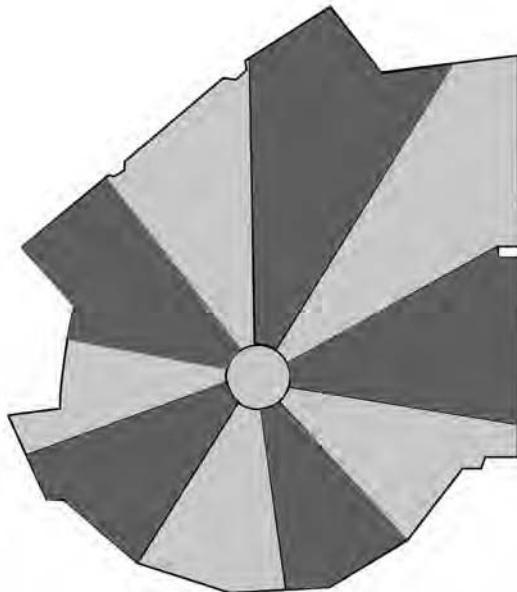


LARGE SURFACE DESIGN

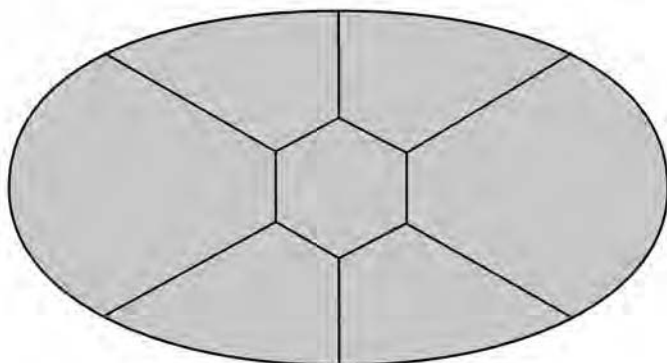
TECHNIQUES AND AESTHETICS



650 m² Barrisol Classic ceiling in 9 parallel ceilings contained in an oval installed at Ebingen (Germany)



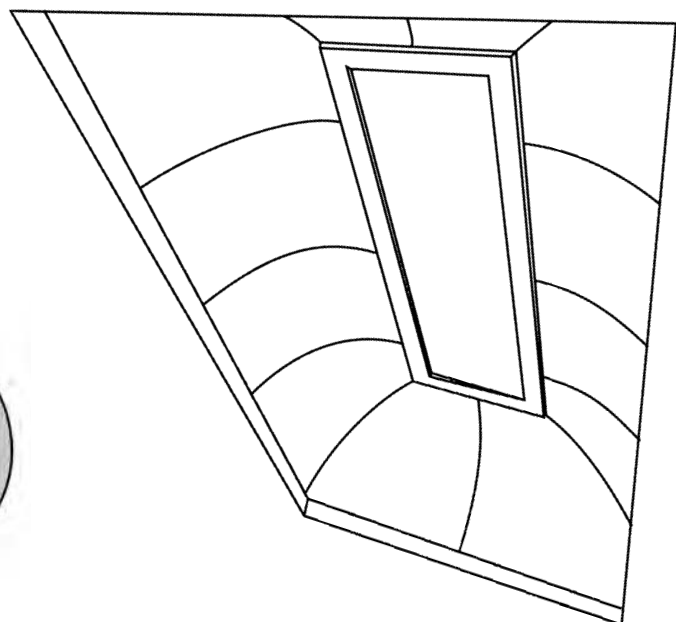
650 cm² brushed suede Barrisol ceiling, 2 colours, installed at Territet (Switzerland)



450 m² 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.

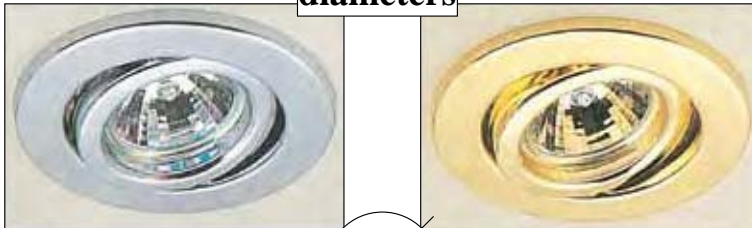
BARRISOL UNIVERSE STRETCH CEILING SPOTS

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

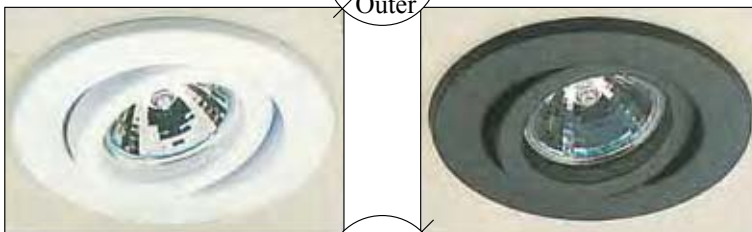
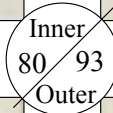
In 2
diameters

SPOTS



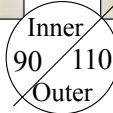
silver chrome

gold chrome



white

black



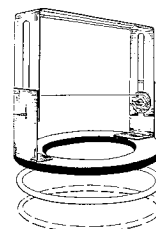
Spots tested for their compatibility with Barrisol stretch ceilings and approved

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
 - diffusion of light downwards

INSTALLATION

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



OTHER SPOTS

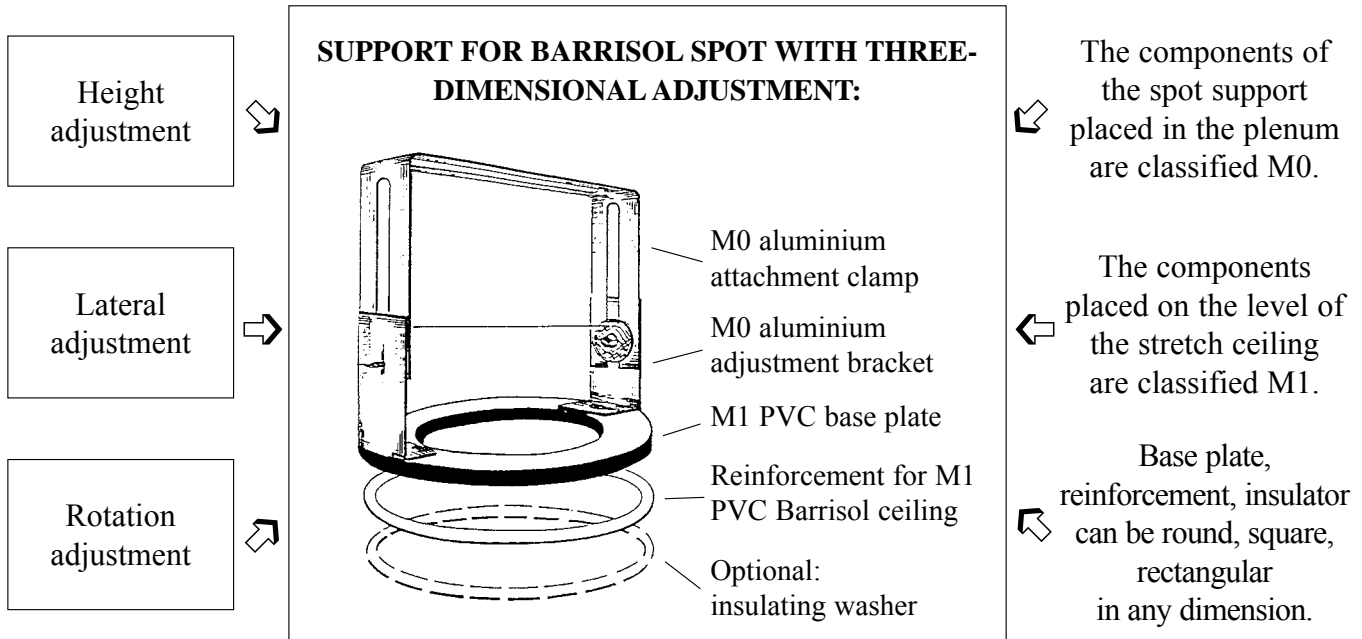
Spots from 50 to 60 °C must have an insulator inserted between the spot plate and the Barrisol stretch ceiling.

INCOMPATIBLE SPOTS

Spots > 60 °C.

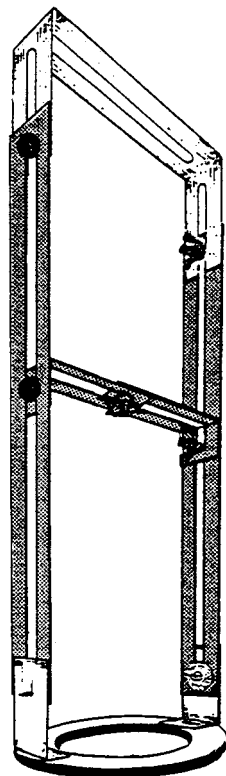
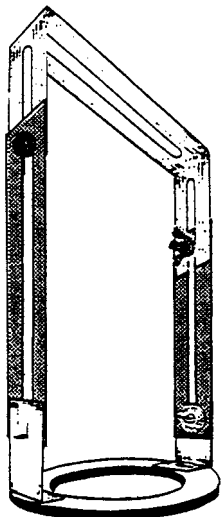
BARRISOL SPOT INSTALLATION TECHNIQUES

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



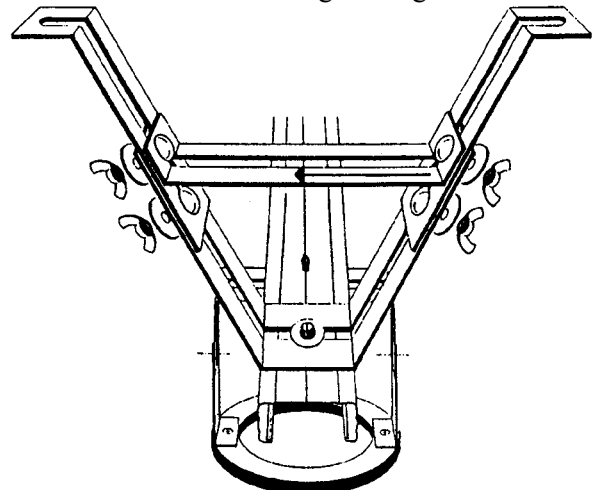
ADJUSTABLE BARRISOL SPOT SUPPORTS AT ANY PLENUM HEIGHT

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.

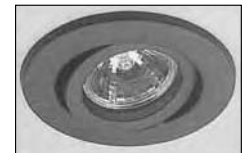
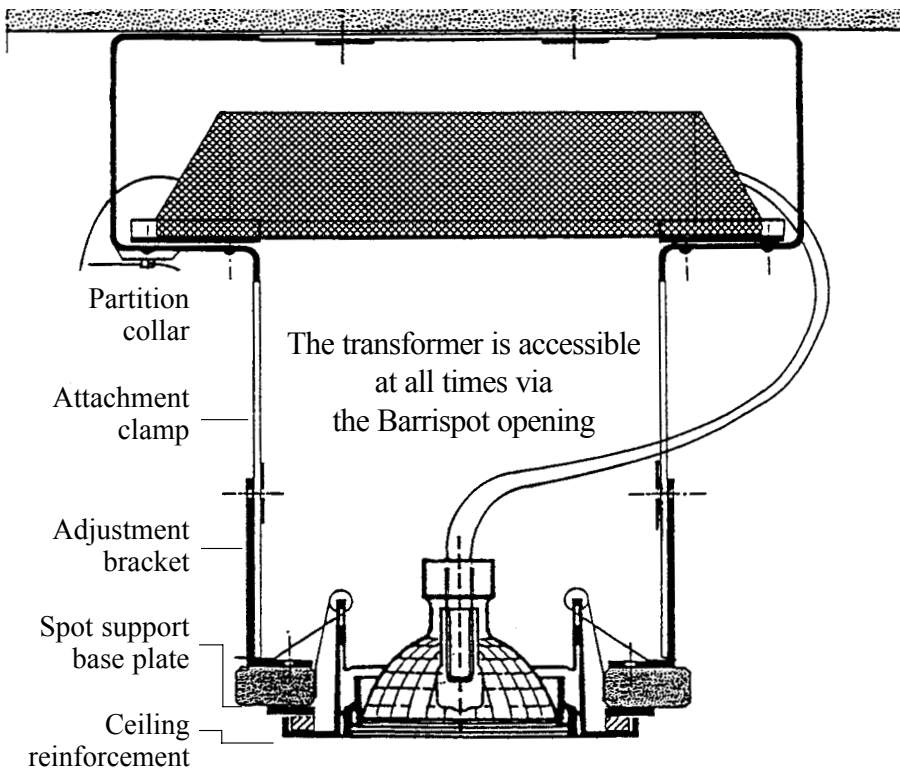


THE BARRISPOT SYSTEM
(NOT AVAILABLE IN CANADA OR THE USA)

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.

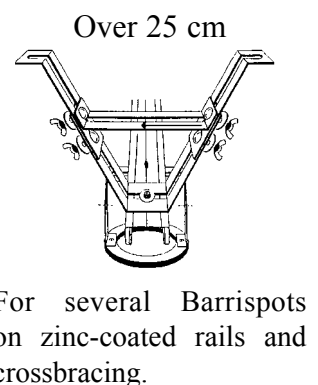
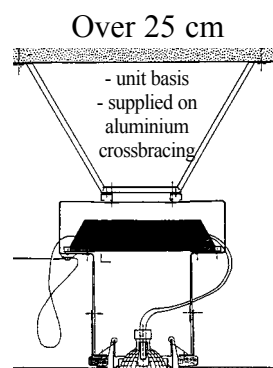
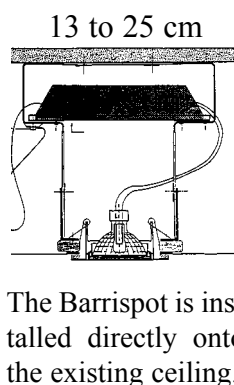
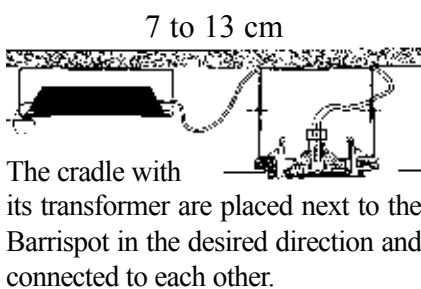


Technical characteristics:

- 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.

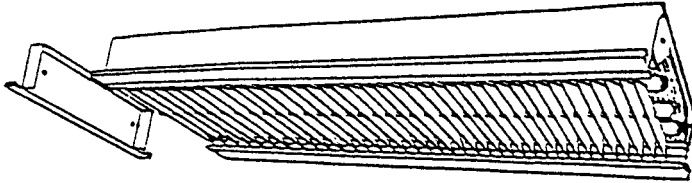
BARRISPOTS AT ANY PLENUM HEIGHT



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



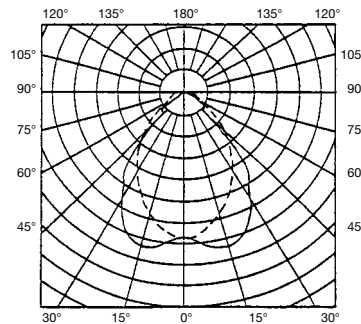
- Barrilec box made of white steel plate with built-in Barrisol Classic tracks for direct interlocking of Barrisol ceilings
- Satin gloss aluminium parabolic reflectors brightened glossy with high reflection power and low brightness.

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

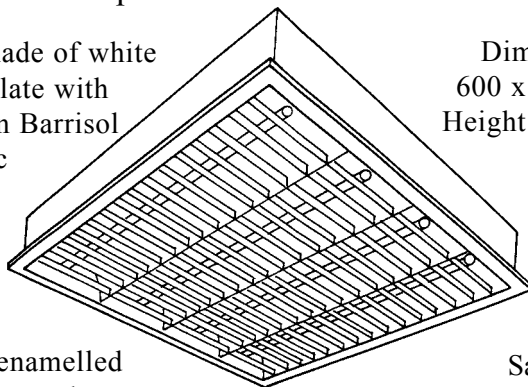
C 0 - C 180
C 90 - C 270



BARRISOL DUO LIGHT BLOCK
with class C optical unit

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

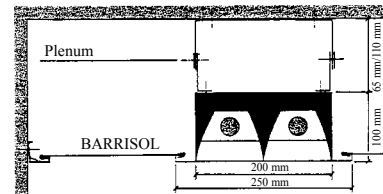
Dimensions:
600 x 600 mm
Height 100 mm



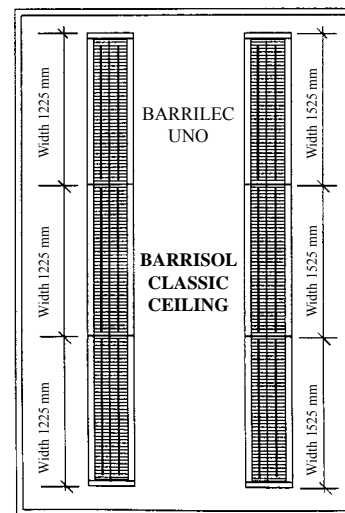
Satin white enamelled transverse plates

Satin gloss aluminium reflectors

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



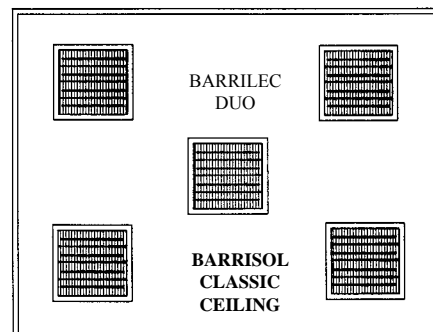
Installation (sectional view)



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 µFarad
tubes: 4 x 18 Watts, 26 mm diameter

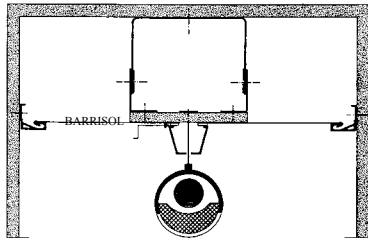


Stretch ceiling interlocked on the periphery of the Barrilec Duo units and the room.

LIGHTS AND LIGHT SUPPORTS

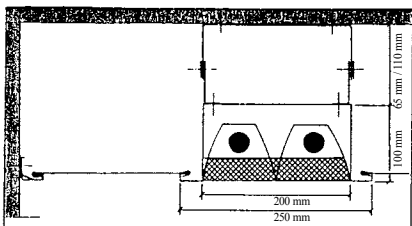
SUSPENDED, EMBEDDED, INSERTED IN BARRISOL UNIVERSE STRETCH CEILINGS

SUSPENDED LIGHT



- adjustable support in plenum
- ceiling passage reinforcement

EMBEDDED LIGHT



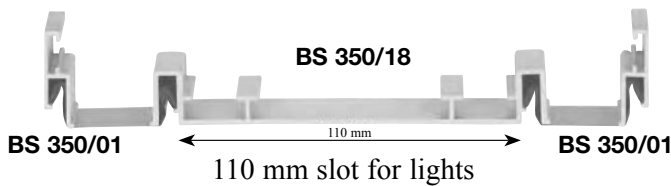
- light suspended by adjustable support
- stretch ceiling in tracks built into light

REMOVABLE LIGHT SUPPORT DEVICE

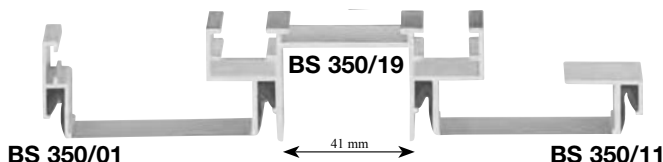


- track fixed onto aluminium rail
- T-connection used to install light

LIGHT SUPPORT SEPARATOR

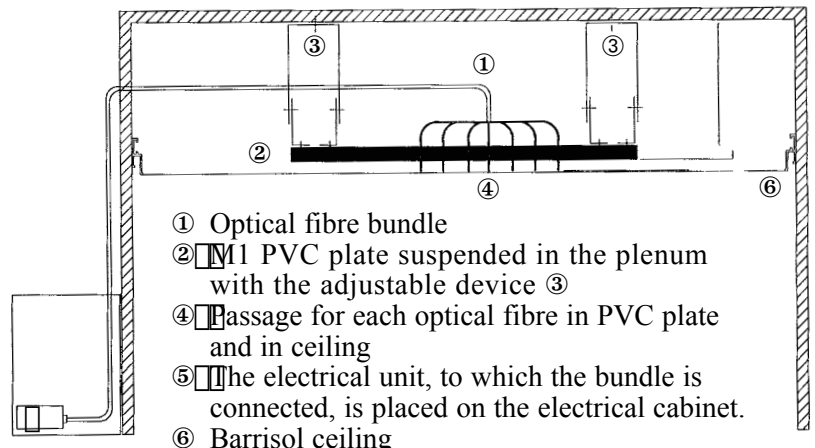


SPOT SUPPORT SEPARATOR

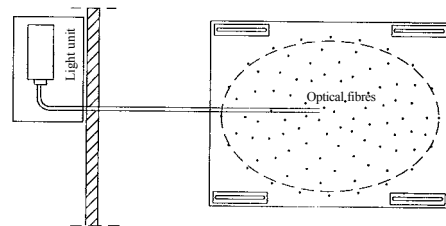


The rail may be machined to install small spots.

OPTICAL FIBRE INSTALLATION

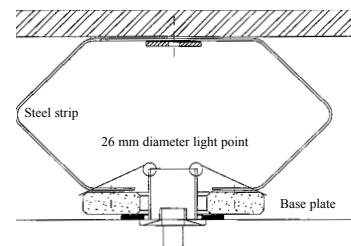


- ① Optical fibre bundle
- ② M1 PVC plate suspended in the plenum with the adjustable device ③
- ④ Passage for each optical fibre in PVC plate and in ceiling
- ⑤ The electrical unit, to which the bundle is connected, is placed on the electrical cabinet.
- ⑥ Barrisol ceiling

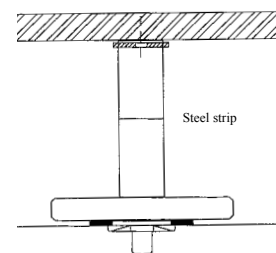


Optical fibres (top view)

INSET BARRISOL 26 mm DIAMETER MINI-SPOTS



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

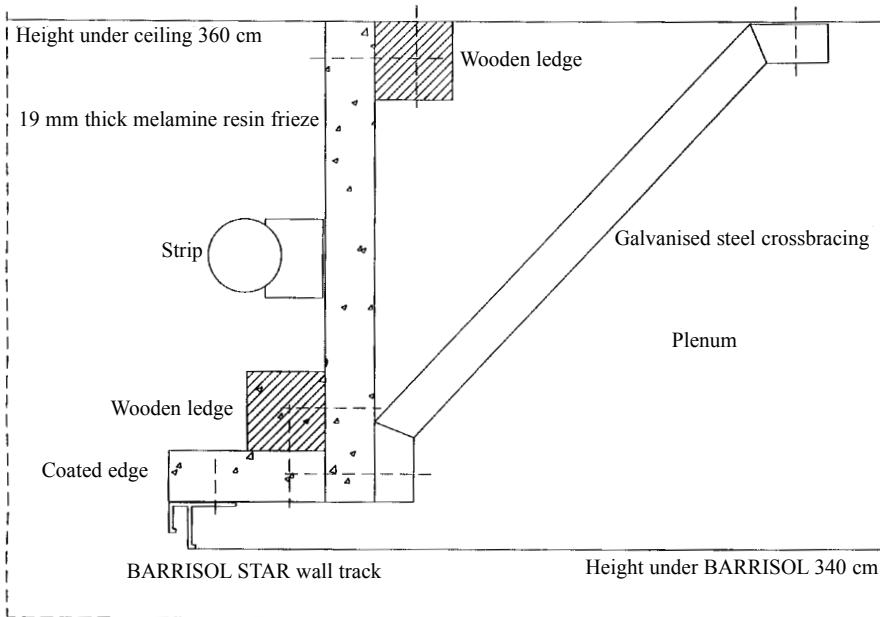


- 26 mm diameter, 5 W light point
- reinforced passage in stretch ceiling

3D LIGHTING

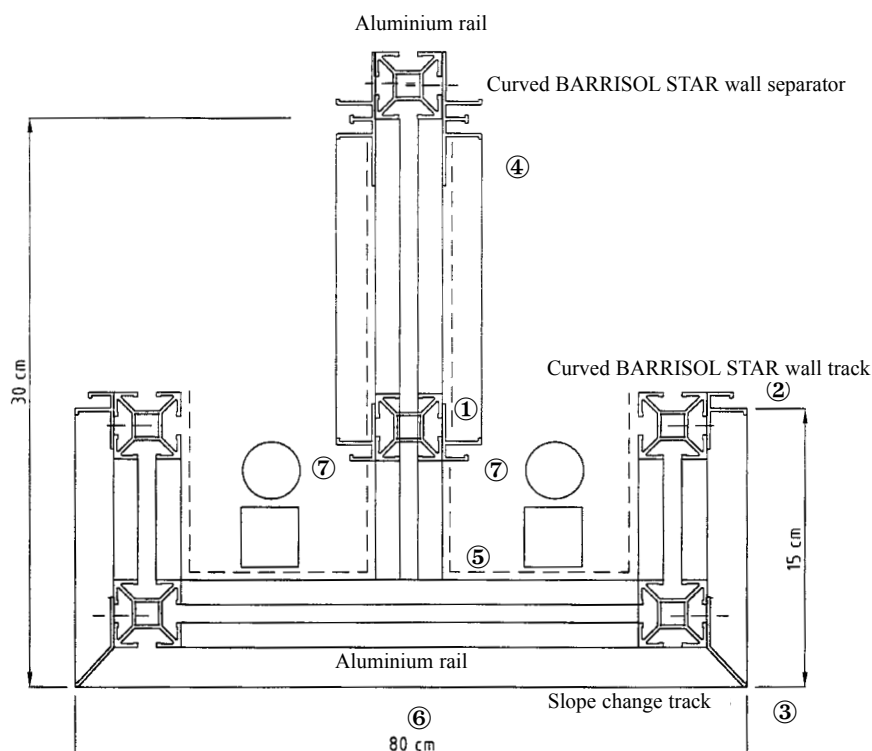
BARRISOL STAR FABRIC LININGS COVER THE INDIRECT MOUNTED LIGHTS.

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.

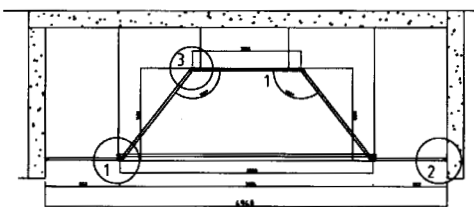
CENTRAL MOUNTED LIGHT WITH SYMA M0 ALUMINIUM FRAMEWORK



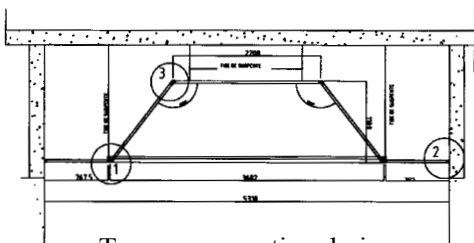
The Syma aluminium rails ① form the framework, combined with curved Barrisol Star wall tracks ②, with Barrisol slope changing rails ③, with the curved-Barrisol Star separator ④. A screen fabric is stretched inside the framework ⑤. The outside is equipped with Barrisol Star wall lining ⑥. The neon strips ⑦ are installed inside the framework.

SIMULATED GLASS ROOF

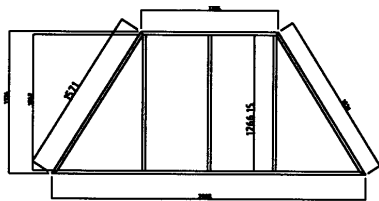
DETAILS OF "GLASS ROOF"



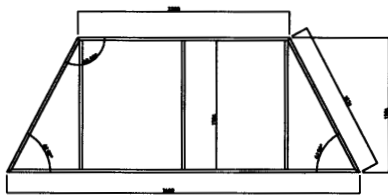
Longitudinal sectional view



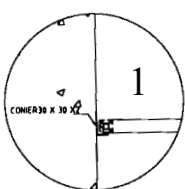
Transverse sectional view



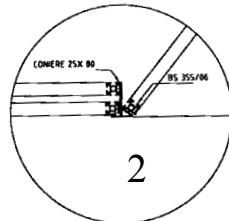
Transverse detailed view of frame



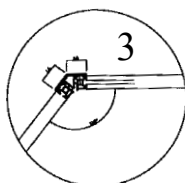
Longitudinal detailed view of frame



Outer periphery

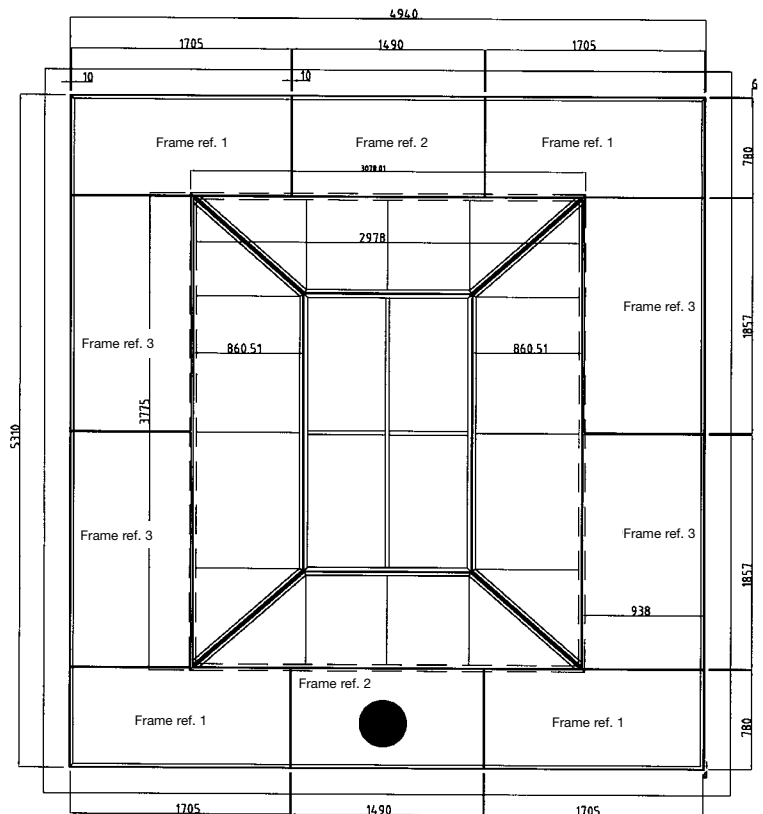


Inside of "glass roof"



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



Lab Architecture Studio & Bates Smart



Christian PLISSON, Architect



Dalena CERMAKOVA, Architect



Daniel HULAK, Architect



Hubert PENICAUD, Architect



Creation : Angel MORETTA



Netanel BEN-IZCHAK, Architect



MATTIA Design



S. GODIN, MORENCY Group



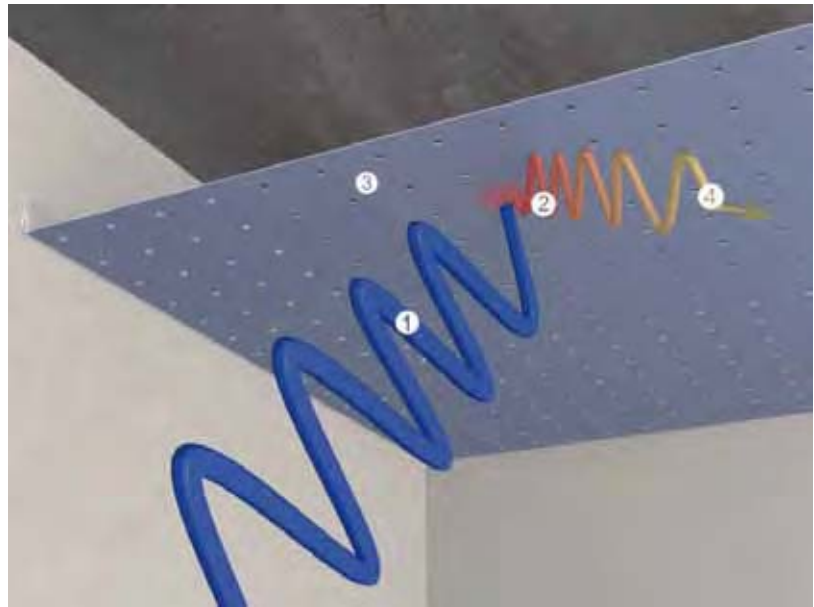
Ferdi NIEDERSTEIN & Yves MEYER



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

BARRISOL® MICROACOUSTIC®

BARRISOL® MICROACOUSTIC® 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 Initial sound
- 2 Sound transformation in thermic energy
- 3 Barrisol Acoustics
- 4 Reduced sound

Many factors affect room acoustics. Apart from the shape of the room, it is essentially the characteristics of furnishings

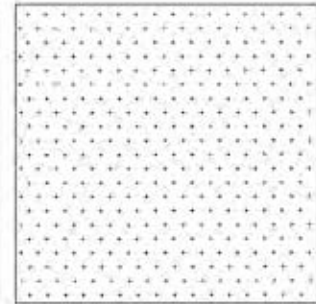
such as the materials used for the floor, walls and ceiling which determine how sound is propagated in the room. The dimensions and positions of sound-absorbing areas and also those which reflect sound are essential factors which determine whether room acoustics are "good" or "bad". "Good" acoustics 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® MICROACOUSTIC® or other BARRISOL acoustic products are used for targeted adjustment of sound absorption and the room reverberation time.

BARRISOL UNPERFORATED AND BARRISOL MICROACOUSTIC® +ACOUSTIC TEST RESULTS

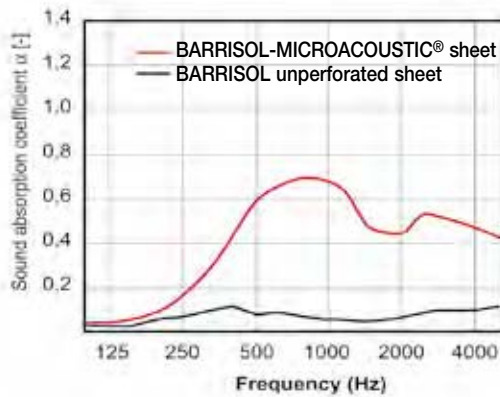


Architect : Netanel BEN IZCHAK



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

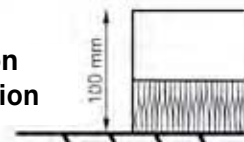
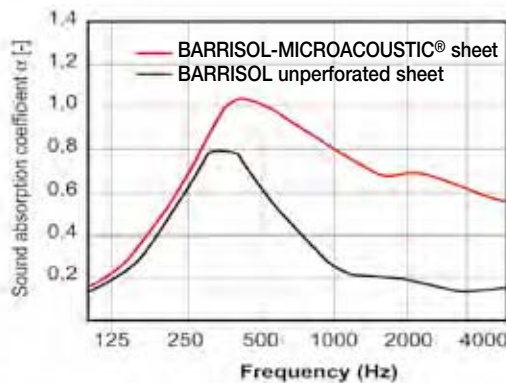
- BARRISOL unperforated sheet without insulation and BARRISOL-MICROACOUSTIC® without insulation



Acoustic absorption rating

Sound Absorption Average according to ASTM C 423-01	SAA = 0.07
Noise Reduction Coefficient according to ASTM C 423-1	NRC = 0.05
Weighted sound absorption coeff. according to EN ISO 11654	α_{w} = 0.10
Sound Absorber class according to EN ISO 11654	not classified
Sound Absorption Average according to ASTM C 423-01	SAA = 0.45
Noise Reduction Coefficient according to ASTM C 423-01	NRC = 0.45
Weighted sound absorption coeff. according to EN ISO 11654	α_{w} = 0.45
Sound absorber class according to EN ISO 11654	Class D

- BARRISOL unperforated sheet with insulation and BARRISOL-MICROACOUSTIC® with insulation



Rock wool :
Weight : 0,52 kg/sqm
 $\tau = 7,4 \text{ kNs/m}^2$ on floor

BARRISOL sheet non perforated
BARRISOL-MICROACOUSTIC® sheet

Acoustic absorption rating

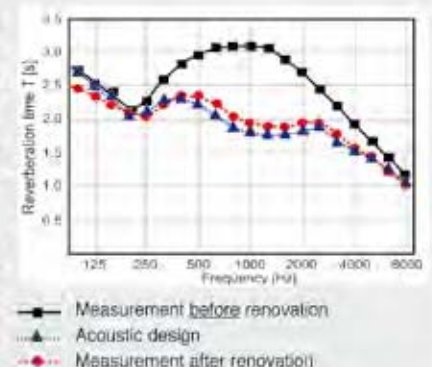
Sound Absorption Average according to ASTM C 423-01	SAA = 0.42
Noise Reduction Coefficient according to ASTM C 423-1	NRC = 0.40
Weighted sound absorption coeff. according to EN ISO 11654	α_{w} = 0.25
Sound Absorber class according to EN ISO 11654	Class E
Sound Absorption Average according to ASTM C 423-01	SAA = 0.78
Noise Reduction Coefficient according to ASTM C 423-01	NRC = 0.80
Weighted sound absorption coeff. according to EN ISO 11654	α_{w} = 0.75
Sound Absorber class according to DIN EN 11654	Class C

Example of installation



Architect : Mr. REHDER

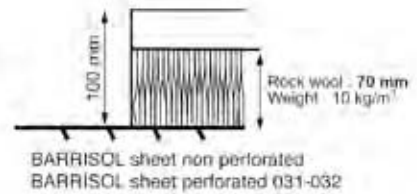
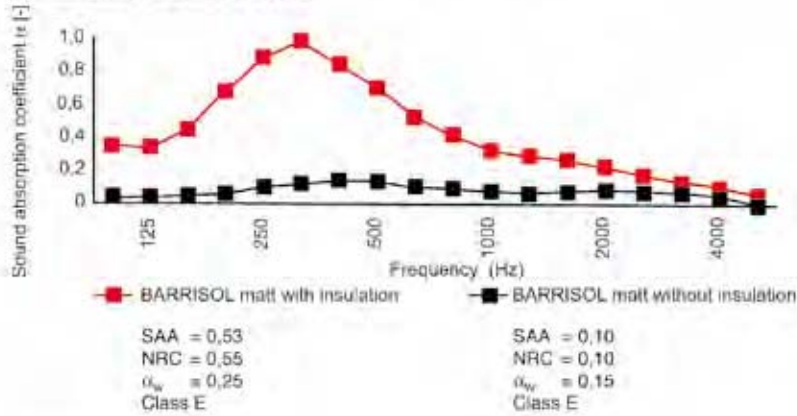
In its original condition, the "Herrensaal" in the nave of St. Petri's Church composed mainly of resounding surfaces such as plaster, glass and wood. Experience has shown that an absorbing effect can only be expected in the deep frequency range with glass façades and wooden surfaces. The aim of the acoustic 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® - Microacoustic® 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.



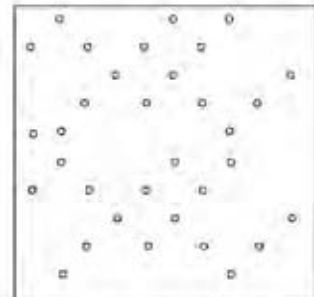
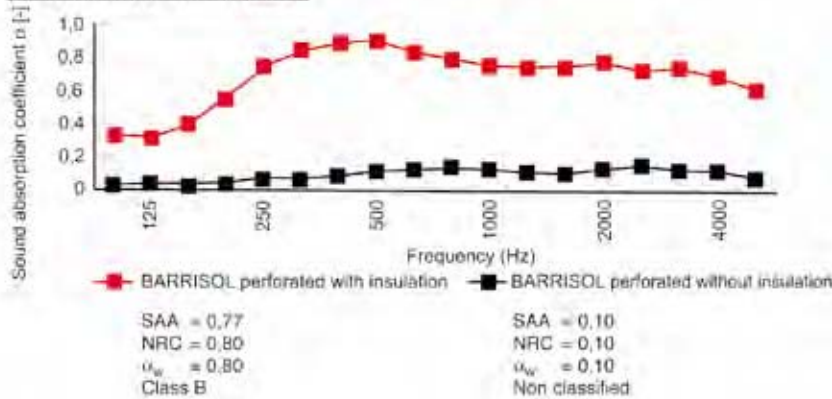


BARRISOL UNPERFORATED AND BARRISOL PERFORATED +ACOUSTIC TEST RESULTS

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

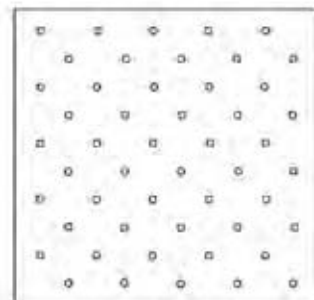
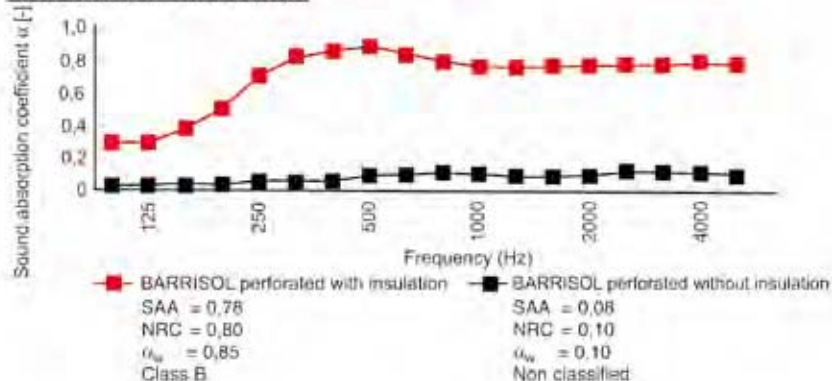


• **BARRISOL perforated sheet 031 with and without insulation**



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

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



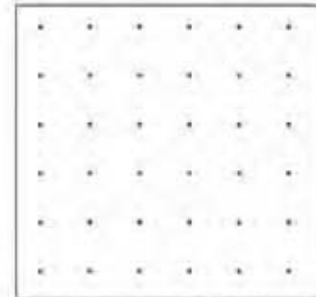
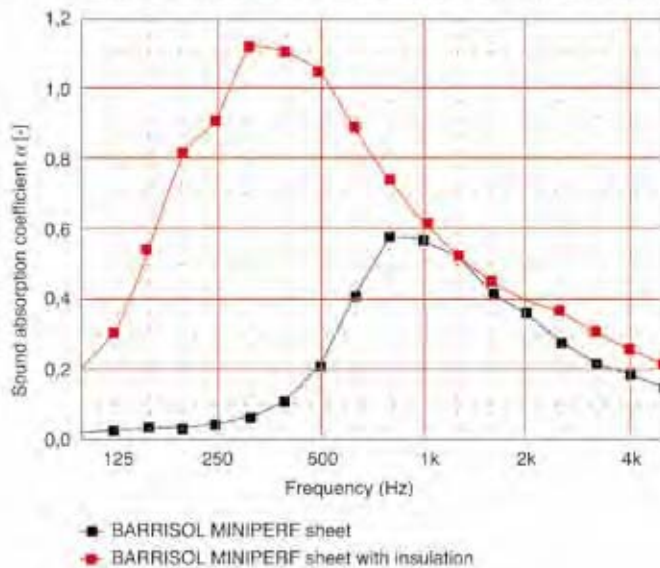
Quantity of holes : 50 000/sqm
Diameter of a hole : = 1 mm
Perforation rate : = 20 %
Thickness : = 0,17 mm
Reference : 032 + ref. of the colour

**BARRISOL MINIPERF
+ACOUSTIC TEST RESULTS**

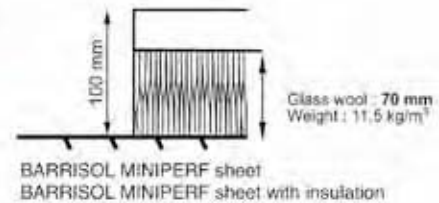


Architect : Aydin SESIGUR

BARRISOL MINIPERF sheet with and without insulation



Quantity of holes 4 000 hole/sqm
Diameter of a hole : ≈ 0,5 mm
Perforation rate : = 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 α_{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 α_{w} = 0,40
Sound absorber class according to EN ISO 11654 Class D

Example of installation



Architects KEREZ
MORGER & DEGELO

The custom made solutions of BARRISOL lumiere ceilings offer a great aesthetic value and an optimal translucency. The ceilings, formulated with an intelligent integrated technology to spread the light, ensure that the art exhibits at the Art Museum of Vaduz in Lichtenstein are shown to their best advantage. Under a glass roof equipped with a sophisticated lighting technology, the BARRISOL LUMIERE ceiling reveals all of its qualities, whether acoustic or aesthetic.

In fact, another advantage of the BARRISOL LUMIERE ceiling is the acoustic properties which improve in larger rooms, through a special procedure of micro-perforation, the rooms with high ceilings, such as the rooms of the Art Museum in Vaduz, enjoy particularly good acoustics.

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:

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

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: - BARRISOL NORMALU SAS, Kembs, France
- Installer: - BARRISOL NORMALU SAS. - 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
- 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 BS 2 - d0, BS 3-d0 (Suede). Panel width before seams to be min. 1.62m all finishes, up to 2.55m Matt White, or up to 2.55m 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

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: - BARRISOL NORMALU SAS, Kembs, France
- Installer: - BARRISOL NORMALU SAS - 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
- Colour: - Specify from Barrisol colour card incl. Ref. no.
- Finish: - Matt/Satin/Lacquer/Metallic/Translucent/Perforated/Suede
- Sheet: - Material to be confirmed as complying Euro classification BS 2 - d0.
- 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 MICROPERF

To be read with Preliminaries/ General conditions

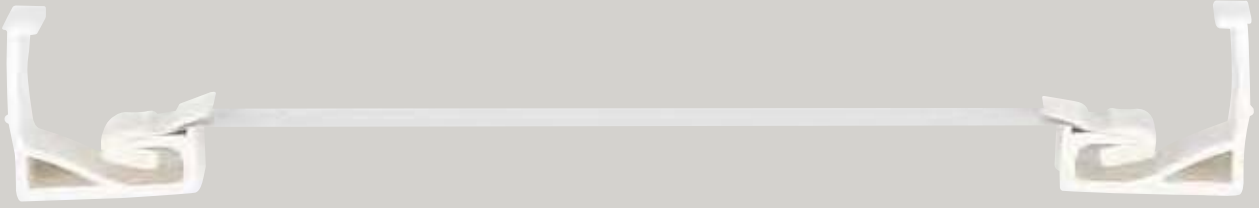
TYPE(S) OF CEILING

116 STRETCH CEILINGS MICROACOUSTIC (ACOUSTICS)

- Location: - Site as specified
- Setting Out: - As indicated on drawings
- Structural Soffit(s): - As indicated on drawings
- Type: - BARRISOL ACOUSTICS® with microperforated membrane
- Manufacturer: - BARRISOL NORMALU SAS, Kembs, France
- Installer: - BARRISOL NORMALU SAS - 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
- Colour: - Specify from Barrisol colour card incl. Ref. no.
- Finish: - Matt/Satin/Lacquer/Metallic/Translucent/Perforated
- Sheet: - Material to be confirmed as complying with BS476 parts 6&7 class "O", plus Part 12, BS2782 and Euro classification BS 2 - d0, BS 3-d0 (Suede). Panel width before seams to be min. 1.62m all finishes. Matt or Satin finishes should be a smooth finish not textured or granulated. The material will be perforated with approximately 500.000 microholes/m² should be installed at the predetermined height to obtain the desired acoustics.
The perforated sheet should have a α_s from 0.45 to 0.5 and a NRC from 0.45 to 0.5 at a distance of 100mm.
- Track (choice): - Star Track (semi concealed) Aluminium – B 350/01, 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



B301/.



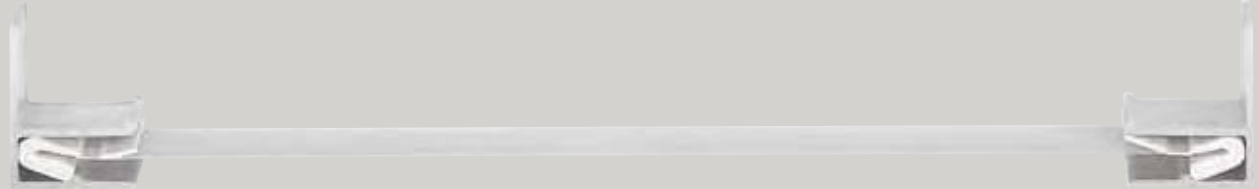
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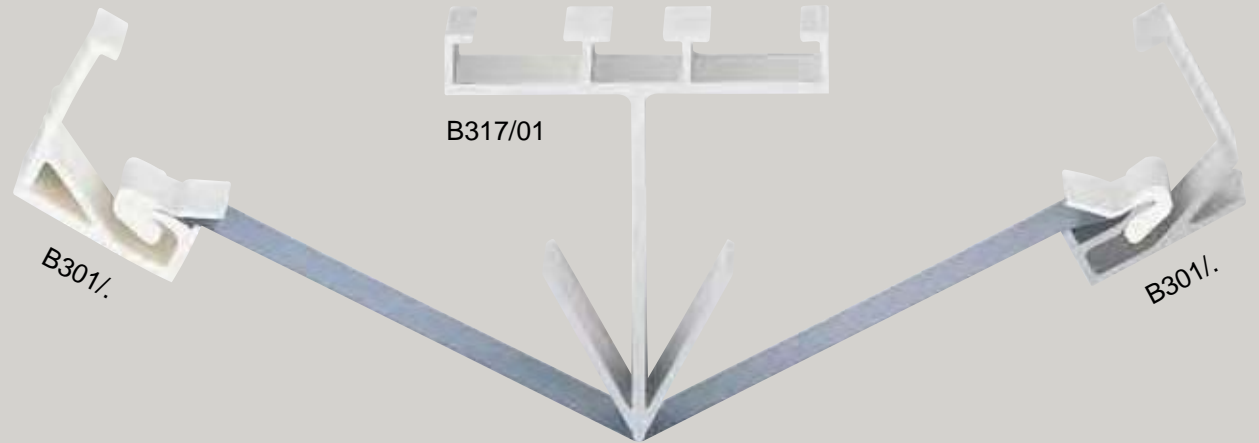


B310/.

B326/01



B326/01

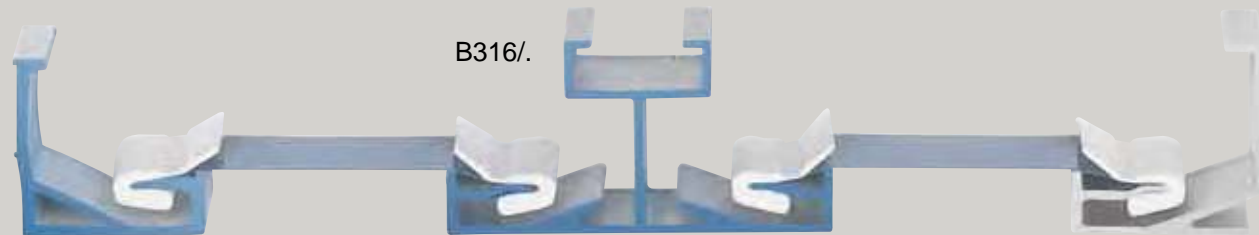


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B301/.

B301/.

B310/.



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B318/01



B310/.

B310/.

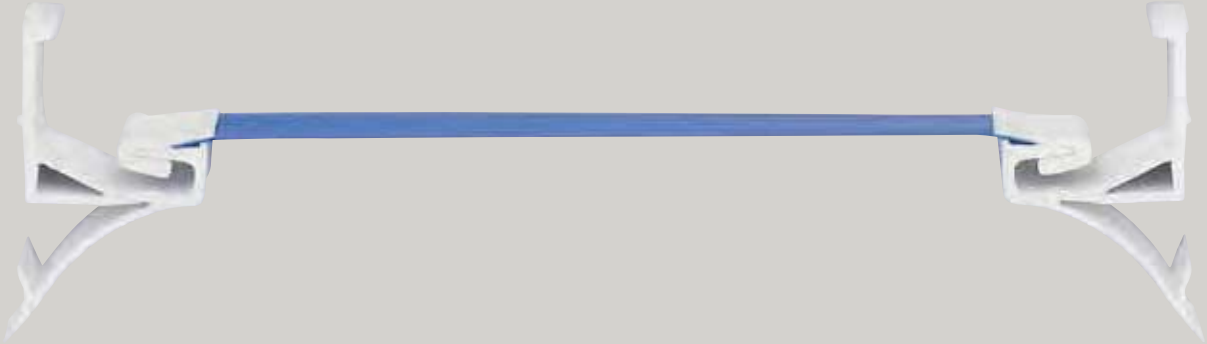


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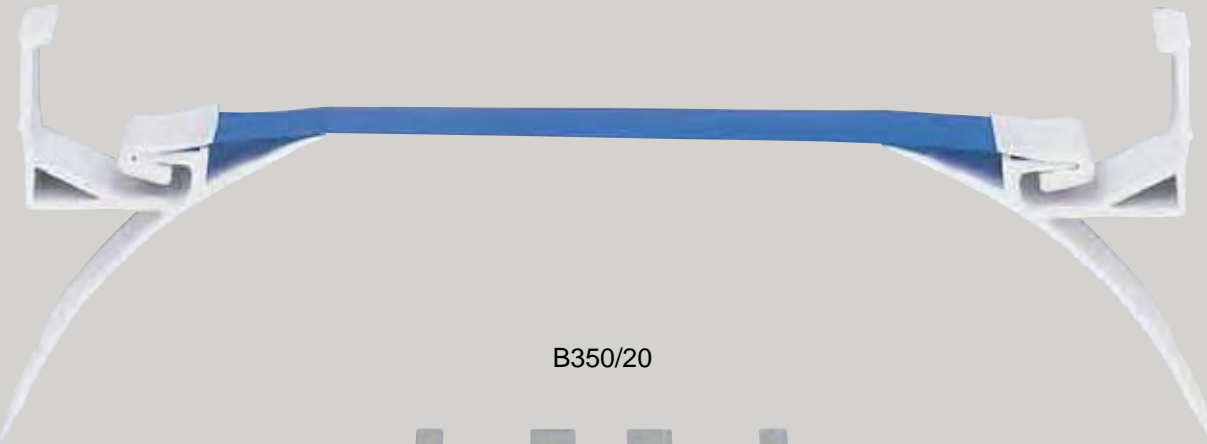
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B312



B312

B313



B313

B350/20



B312



B312

B318/01

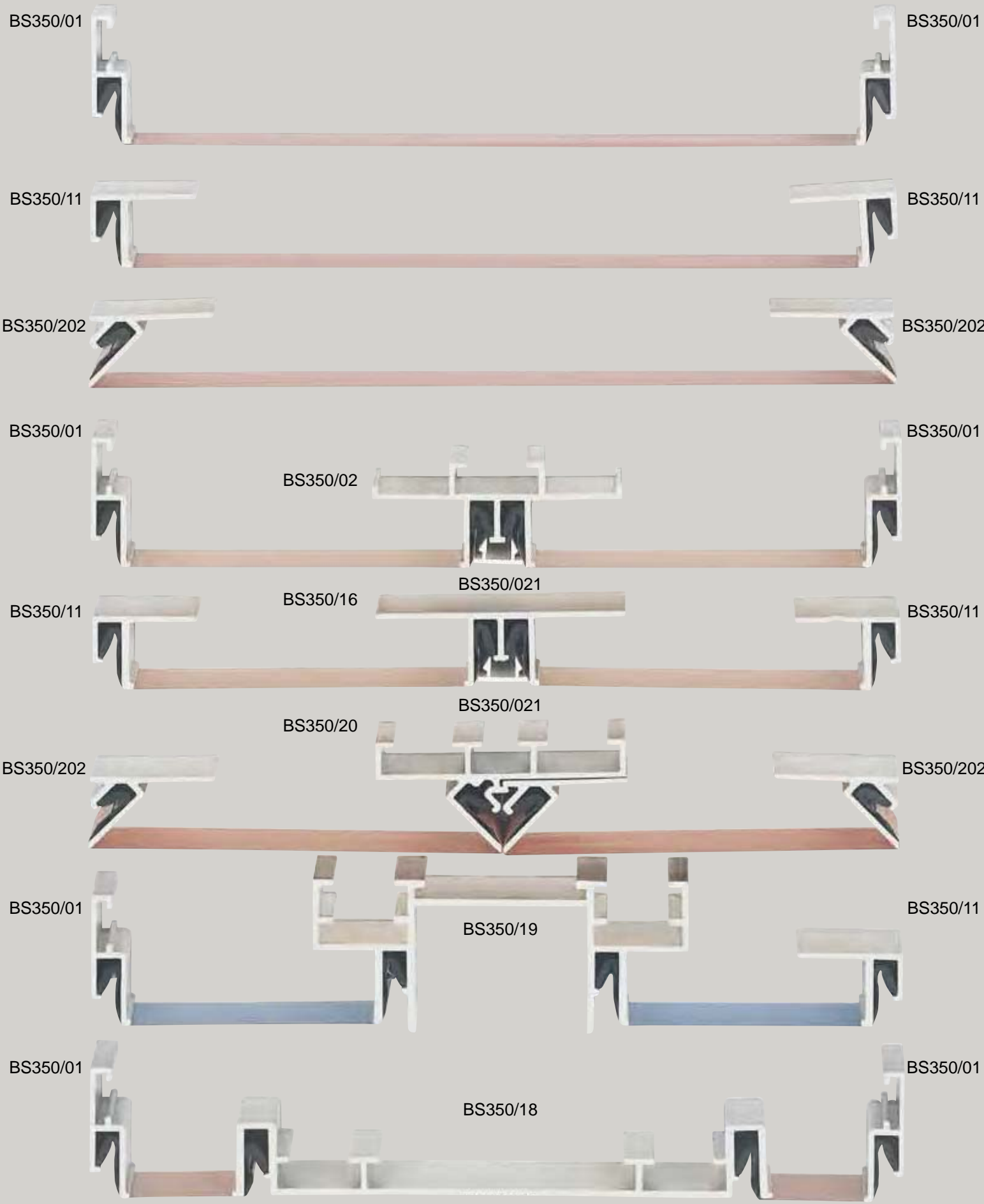


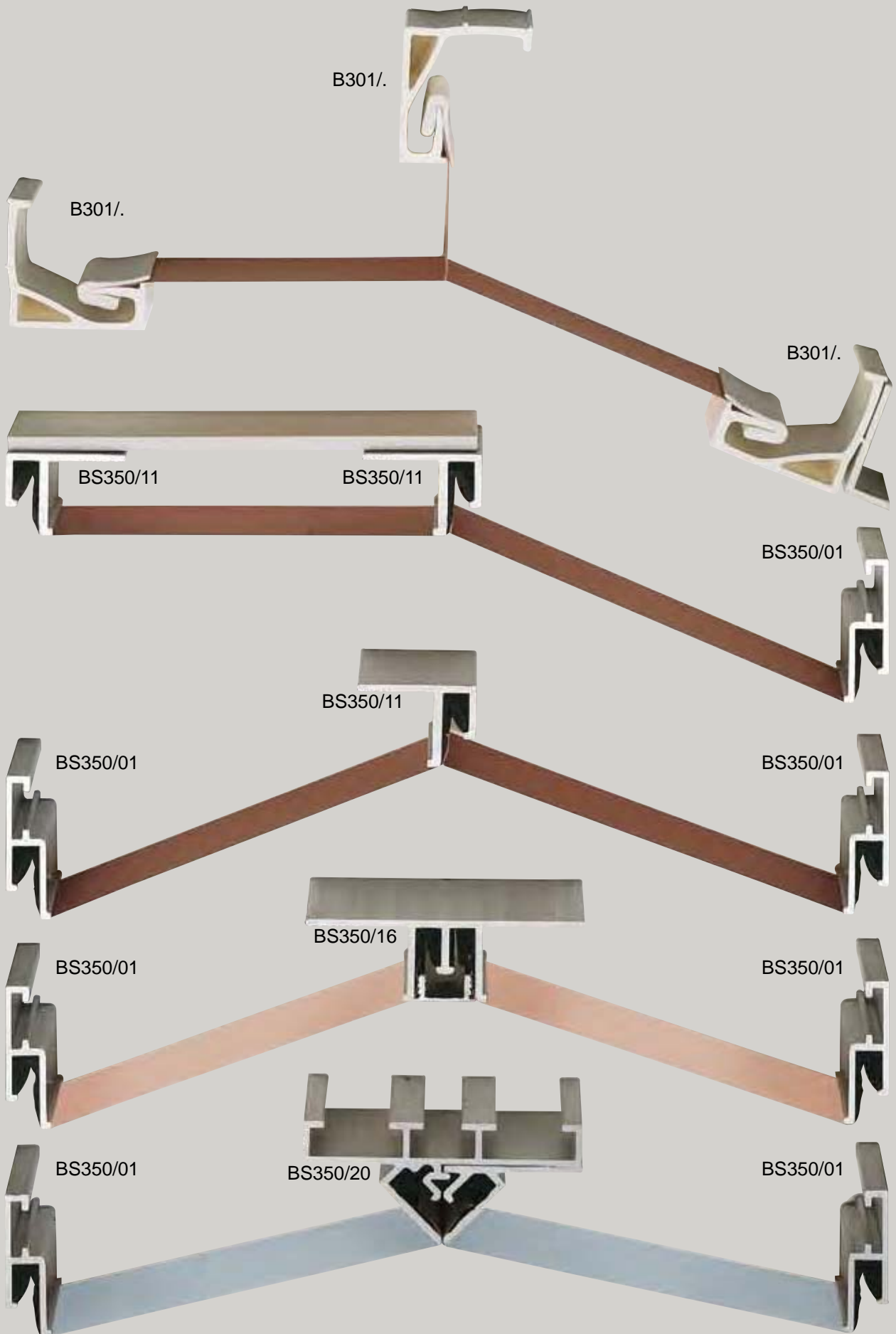
B311



B311

B318/011





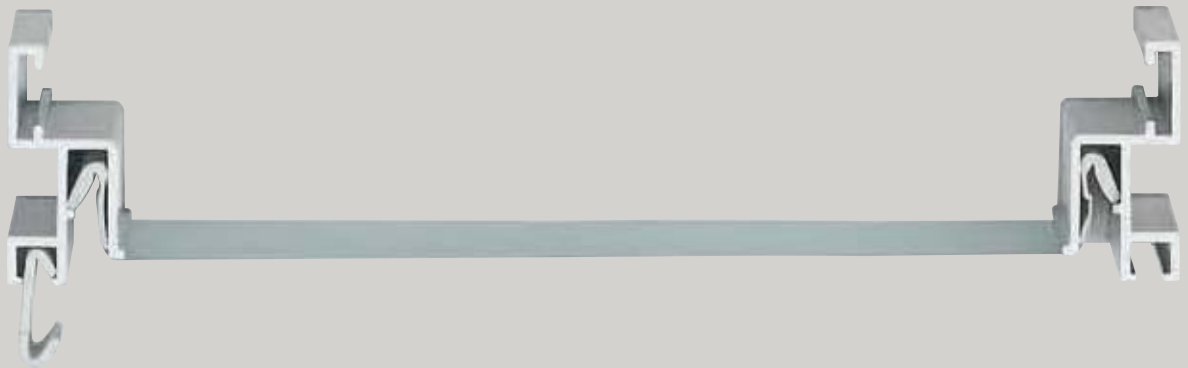


BS350/04



BS350/04

BS350/05



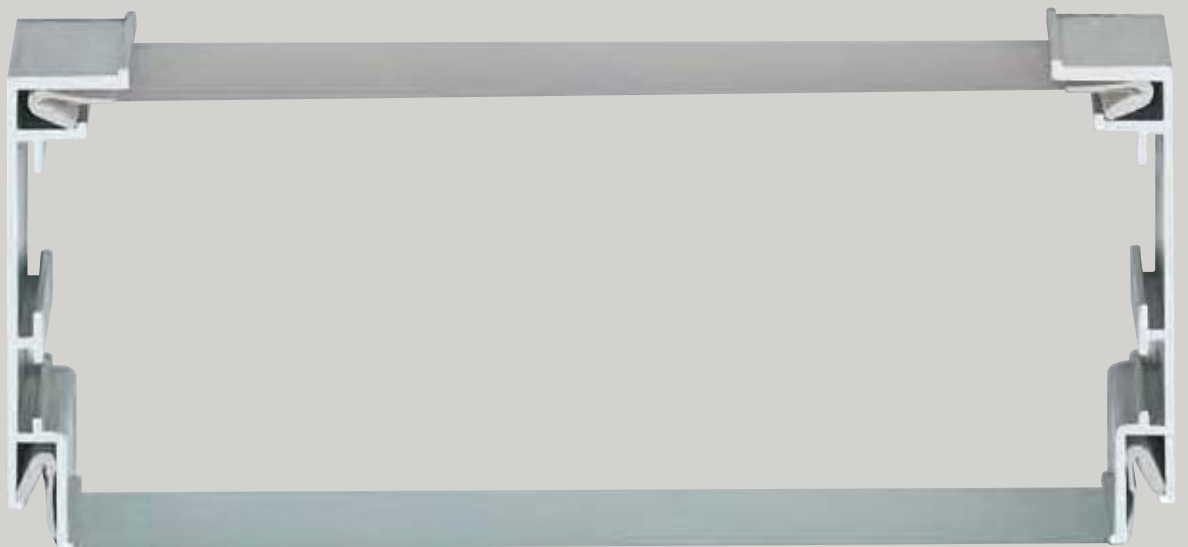
BS350/05

BS350/06



BS350/06

BS350/10



BS355/10

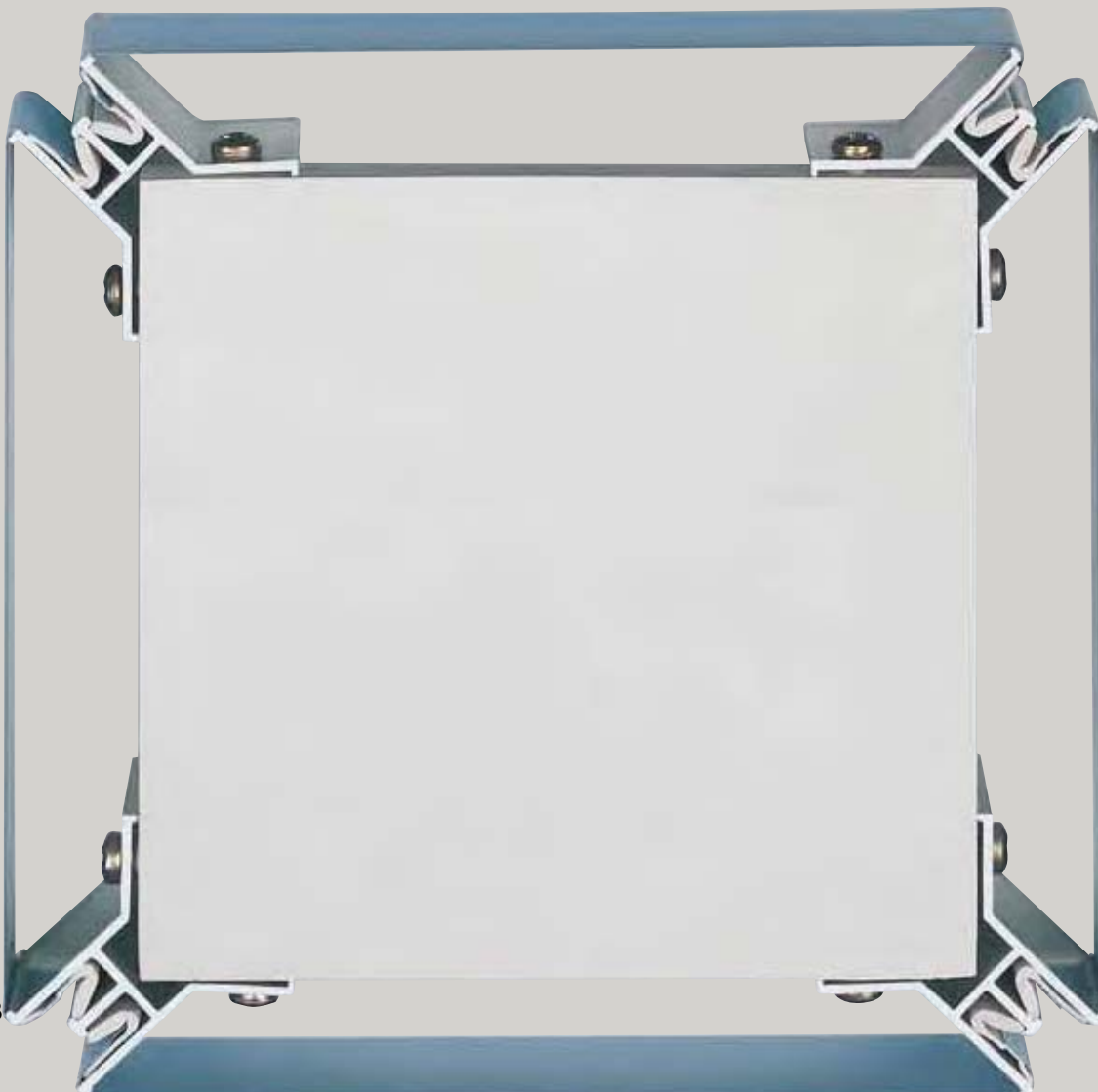


BS350/11

BS350/11

BS350/03

BS350/03



BS350/03

BS350/03

BS350/03



BS350/66



BS350/62



BS350/61



BS350/51



BS355/01



BS355/01

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BS350/202

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BS350/11

BS350/11



BS355/04

BS350/11

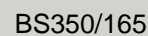
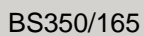


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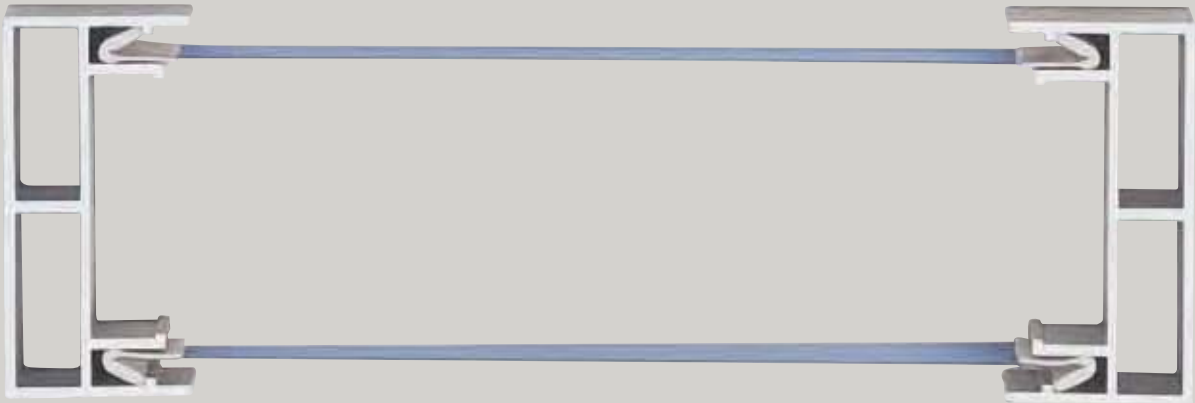


BS355/04





BS355/163



BS355/163

BS355/082



BS355/081

BS355/08

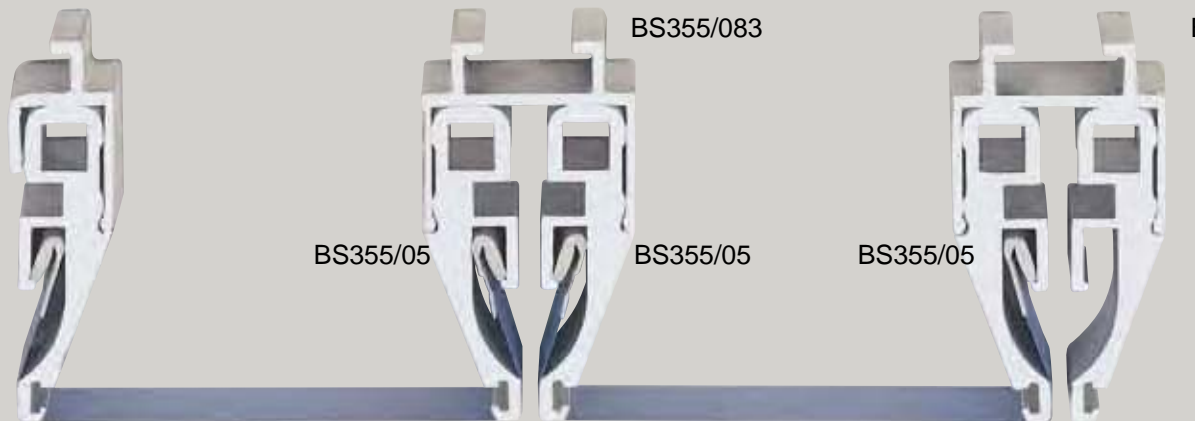
BS355/08

BS355/08

BS355/08

BS355/08

BS355/05



BS355/083

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BS355/05

BS350/11

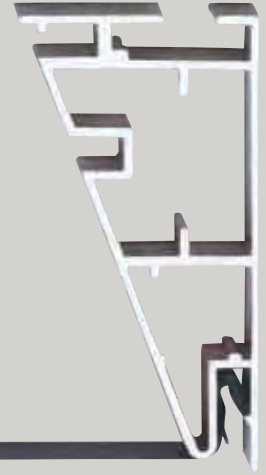
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BS355/15



BS355/15



BS355/18



BS355/18



BS355/18

BS355/17



BS355/17



BS355/17



BS355/171



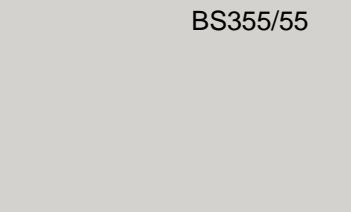
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BS355/55

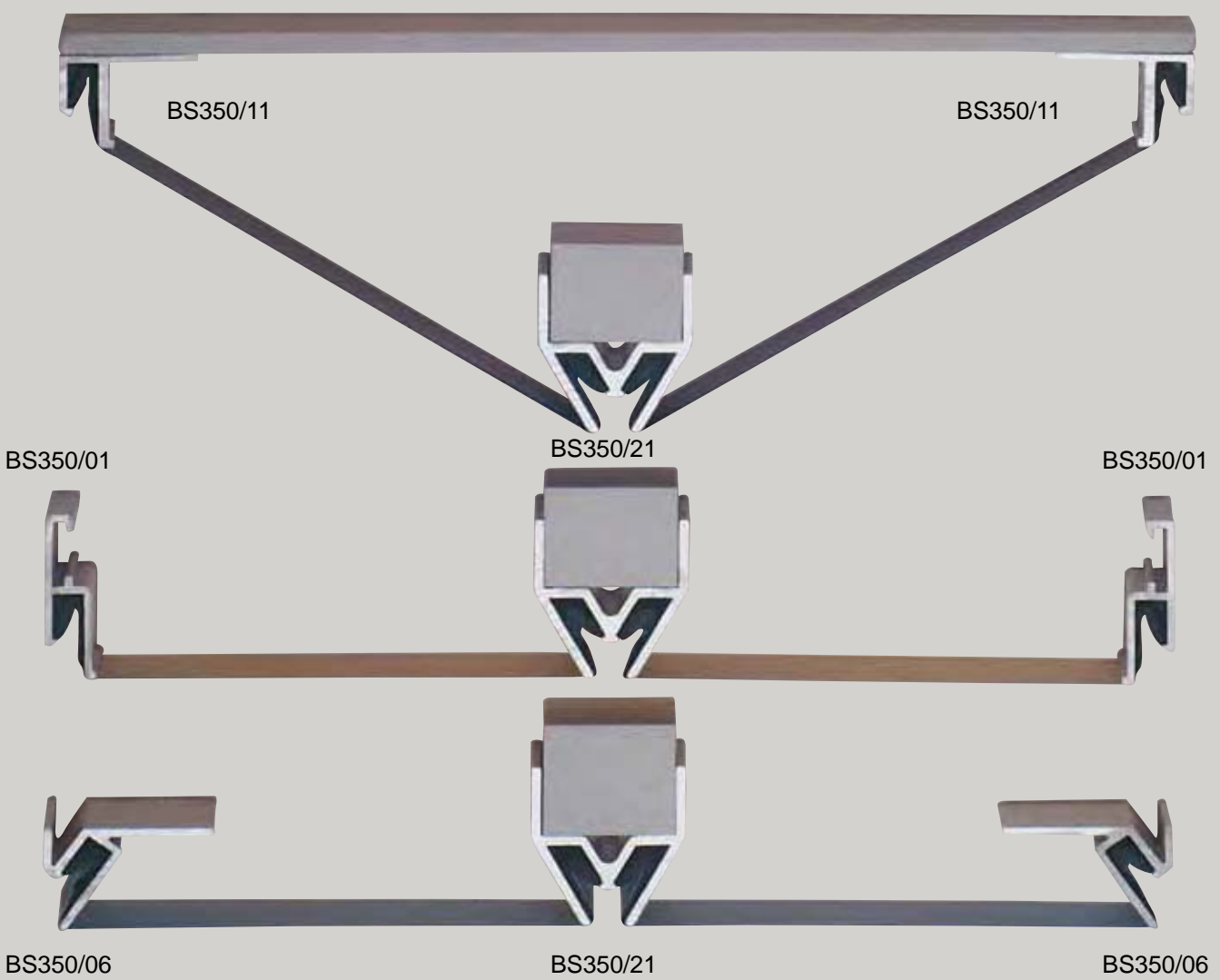


BS355/55





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Barrisol Normalu SAS Route du Sipes 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



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1997  Membre d'Or Mondial Eco Construction Eco Nantes	1997  Membre d'Or Mondial Eco Construction Eco Nantes	1996  Prix de l'Innovation Mondial Eco Construction Eco Nantes	1996  Prix de l'Innovation Mondial Eco Construction Eco Nantes	1995  Membre d'Or Mondial Eco Construction Eco Nantes	1995  Membre d'Or Mondial Eco Construction Eco Nantes	1993  Prix de l'Innovation Mondial Eco Construction Eco Nantes	1991  Membre d'Or Mondial Eco Construction Eco Nantes	1991  Prix de l'Innovation Mondial Eco Construction Eco Nantes	1990  Membre d'Or Mondial Eco Construction Eco Nantes	1990  Prix de l'Innovation Mondial Eco Construction Eco Nantes	1985  Membre d'Or Mondial Eco Construction Eco Nantes	1984  Prix de l'Innovation Mondial Eco Construction Eco Nantes	1983  Membre d'Or Mondial Eco Construction Eco Nantes	1975  Membre d'Or Mondial Eco Construction Eco Nantes