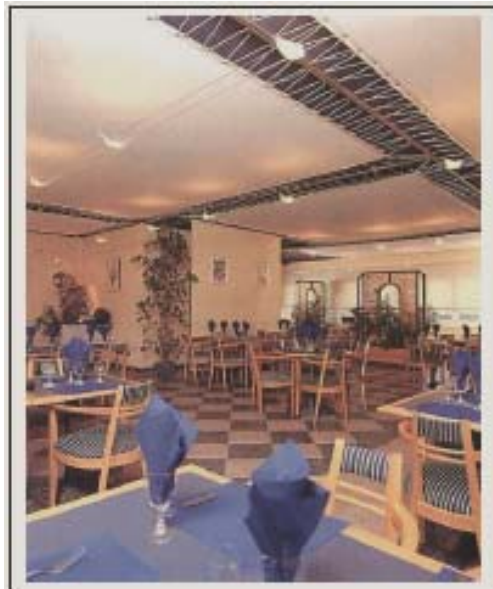


BARRISOL® TREMPO

TECHNICAL DATA

BARRISOL STRETCHED FABRIC CLASS M1 PLAIN OR PERFORATED

WITH CRIMPED EYELETS
FIXED TO PERIPHERAL SUPPORT
BY REINFORCED ELASTIC LACING.



BARRISOL TREMPO
ENHANCES EVERYWHERE
ADAPTS to any geometrical shape
INCORPORATION of safety systems

The  **BARRISOL®** World

BARRISOL[®] TREMPO

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BARRISOL[®] TREMPO

1. SPECIAL REQUIREMENTS

1.1 Instructions for correct installation

Before starting work, read worksheet Ref B811/01 which enables you to complete the job, with maximum efficiency, in accordance with instructions agreed with the project manager when the order was placed.

The work preparation sheet must include the following items of information:

- The precise address and a map showing the geographic location of the site
- The colour of the BARRISOL TREMPO ceiling or wallpiece to be fitted
- The height of the plenum
- The number of ceilings or wallpieces
- The nature of the walls or ceilings the BARRISOL TREMPO will be fixed to
- Details of the construction layout of ceilings
- The type of lacing
- The number and internal diameter of spots and the location
- The shapes and dimensions of other components to be built in

1.2 Pre-installation arrangements

On premises under construction, ceilings are only fitted in buildings that are windproof, dustproof and watertight.

On premises being renovated, fitting BARRISOL TREMPO ceilings does not require furniture to be removed, however the customer is responsible for moving fragile items from the room and also live plants. In addition, the customer will protect furniture by means of dust sheets (especially valuable pieces of furniture).

The plenum should be insulated, the components of the plenum will have a fire rating of at least M1 (non-flammable).

Ceilings are factory made-to-measure, adaptations and finishes may be necessary on fitting.

Moveable, built-in spots are generally compatible with BARRISOL. The power of spots should not be greater than 50 W. Bulbs that heat their metal surround to more than 60 °C are not compatible with the BARRISOL ceilings, even when fitted with insulating rings.

For fitting any spots, transformers are fixed to a plate that is fixed to the stirrup of the BARRISOL spot seating, but must not under any circumstances rest on the bases of spot seatings.

BARRISOL® TREMPO

2. TECHNICAL DESCRIPTION: MATERIALS

2.1 The fabric

- Details of the product:

BARRISOL fabric consists of a special polyvinyl chloride based, flexible sheet, guaranteed cadmium-free, rated M1.

- Finish:

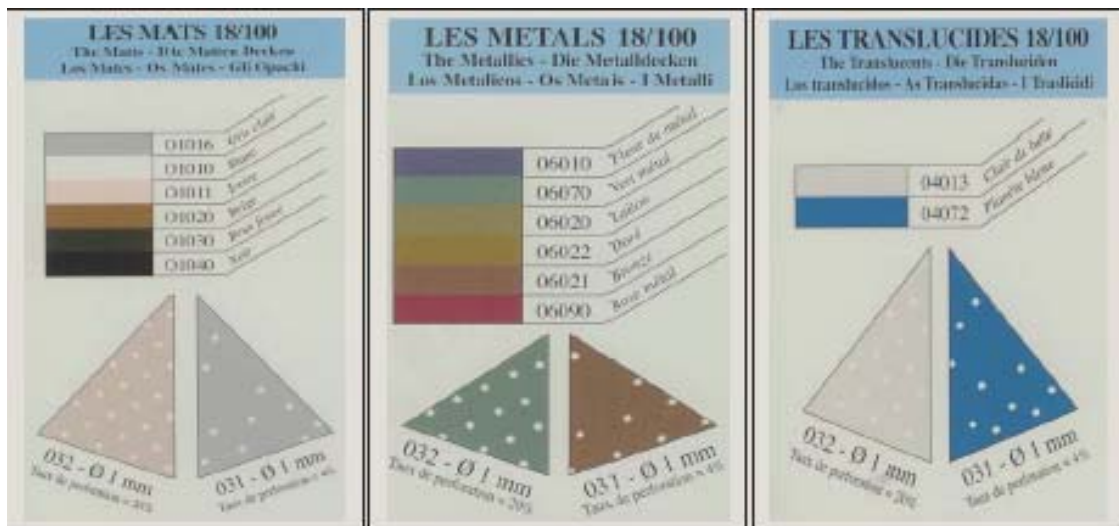
- **Plain** in gloss, satin, matt, metallic, suede and translucent finishes.
- **Perforated** in gloss finish in Ø1 mm, 2 mm and 4 mm.
- **Satin** finish in Ø1 mm and 2 mm.
- **Matt** finish in Ø1 mm, 2 mm, 4 mm and 10 mm.
- **Mini perforated** or **micro-sorber** finish in the case of acoustic treatment.

It is preferable when fitting TREMPO Ø10mm perforated ceiling to fix an opaque M1 fabric to the old ceiling.

NB: for TREMPO Ø10 mm it is possible to paint all supports that are in the plenum, ventilation trunking, etc. with black paint, or to fit black fabric above the TREMPO in order to hide technical components.

- Colours:

The colours available are those in the BARRISOL range, except for the suede colour range.



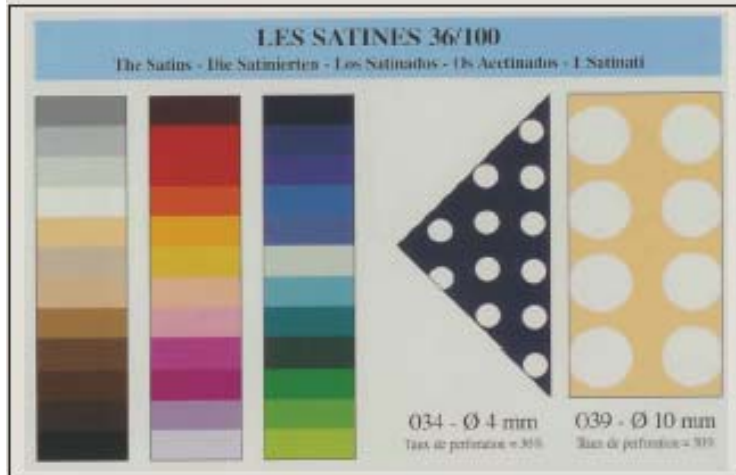
Light grey White Ivory Beige Dark brown Black		Metal bloom Metallic green Brass Gilt Bronze Metallic pink		Moonlight Blue planet	
032 - Ø 1 mm Perforation rate ≈ 20 %	031 - Ø 1 mm Perforation rate: ≈ 4 %	032 - Ø 1 mm Perforation rate ≈ 20 %	031 - Ø 1 mm Perforation rate: ≈ 4 %	032 - Ø 1 mm Perforation rate ≈ 20 %	031 - Ø 1 mm Perforation rate: ≈ 4 %

BARRISOL® TREMPO



034 - Ø 4 mm Perforation rate ≈ 30 %	031 - Ø 1 mm Perforation rate ≈ 4 %	032 - Ø 1 mm Perforation rate ≈ 20 %	035 - Ø 4 mm Perforation rate ≈ 10 %
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BARRISOL® TREMPO



032 - Ø 1 mm Perforation rate ≈ 20 %	031 - Ø 1 mm Perforation rate ≈ 4 %
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034 - Ø 4 mm Perforation rate ≈ 30 %	039 - Ø 10 mm Perforation rate ≈ 50 %
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BARRISOL[®] TREMPO

- Making up:

The fabric is formed by one or more sheets high frequency welded to the exact shapes of the room to be fitted, and custom made in the factory. A border is made around the edge of the fabric so that eyelets can be fitted.

- Width:

GENERAL TABLE OF WIDTHS OF NON STRETCHED AND STRETCHED FABRIC:

Fabric reference	Information on widths	
	Non stretched fabric	Stretched fabric
Lacquers	1.50 m	1.62 m
Satins	1.50 m	1.62 m
Matts	1.50 m	1.62 m
Transluents	1.50 m	1.62 m
Nereid	1.50 m	1.62 m
Metals	1.50 m	1.62 m
Moonlight translucent	1.80 m	1.94 m
Matt white 01010	2 m	2.17 m
Matt ivory 01011	2 m	2.17 m
Rhodes ivory 07011	2 m	2.17 m
Venus translucent	2 m	2.17 m
Moonlight translucent 04013	2 m	2.17 m
Wight white satin	2.25 m	2.45 m
Livingstone grey satin	2.30 m	2.50 m

BARRISOL[®] TREMPO

2.2 Elastic laces and technical features

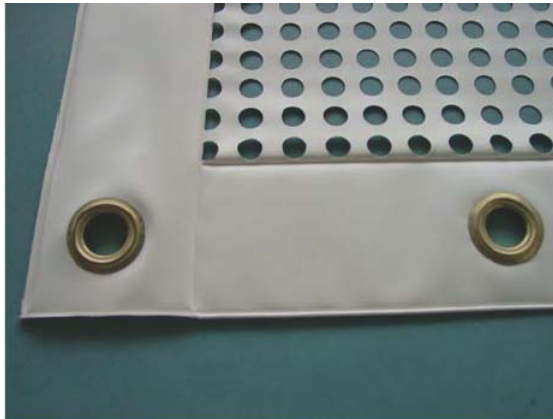
- There is an elasticated cord at each side of the TREMPO.
- It achieves the tension necessary to maintain the TREMPO ceiling and join it to the edge profiles.
- Their lacing is simple.
- It looks attractive.
- The standard colours available are black or white.



THREADING THE LACING

2.3 Eyelets

- They are a standard 15 mm diameter.
- The distance between the fabric and the support is from 7 cm to 15 cm, as ordered.
- They are crimped at each corner and about every 15 cm in the border.
- Their finished in a chrome, silver or gold colour.



DETAIL OF EYELET POSITIONING

BARRISOL[®] TREMPO

2.4 The safety chain

It is necessary to include a metal safety chain of 40 daN breaking strain. It joins the eyelets to the edge profiles by means of a hook, which provides M1 protection. The chain is fitted every 3 m. The hooks are chrome finished.



POSITIONING OF THE SAFETY CHAIN

2.5 BARRISOL TREMPO aluminium profiles

- The edge profile:

Different finishes: - curved or straight anodised aluminium

- enamelled colour

It is perforated in the upper part for attaching joining components. The profile fixing method is chosen according to the peripheral supports (plaster, concrete, etc.).



EDGE PROFILE Ref BT/01

BARRISOL[®] TREMPO

2.6 The separator

Ceilings exceeding the length and width ratios in the tables on page 8, should be divided into two, or even several ceilings, depending on the area of the BARRISOL TREMPO wanted.

For this, there is a separator which is used in such cases:

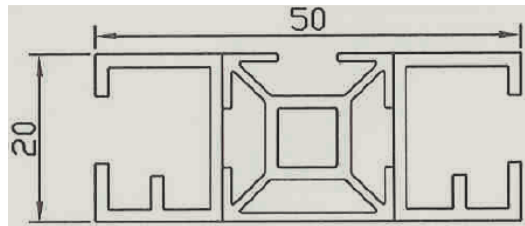


DIAGRAM OF TREMPO SEPARATOR ref. BT/05

2.7 The modular self-supporting frame

BARRISOL TREMPO can also be fitted on a steel or aluminium tubular type frame. The maximum area to be complied with is 30 m².

3 THE ASSEMBLY AND PERIPHERAL TENSIONING SYSTEM

3.1 “High frequency” welding

This technique consists of putting the fabric sheets on top of one another and welding them by high frequency, in other words a precise frequency appropriate to the material and for a given time, the molecules then vibrate, heat up and weld to one another. The welding in question is only just visible (the line is about 2 mm wide).

3.2 Peripheral tensioning

Each fabric panel is tensioned around its periphery by lacing joined to the edge profile by stainless steel hooks.



DETAIL OF LACING AND HOOKS

BARRISOL[®] TREMPO

4 FITTING TECHNICAL AND SAFETY COMPONENTS

4.1 Lighting

BARRISOL provides a stable installation and handsome finish for all types of lighting incorporated into BARRISOL ceilings.

BARRISOL techniques and accessories are suited to all types of lighting: pendants and chandeliers, built-in spots, surface-mounted spots, built-in light fittings, surface-mounted light fittings, pendant light fittings, suspended or built-in electrified rails, hanging lighting units, track lighting, fibre optics, etc.

For integral or built-in light fittings, the fabric must not be exposed to temperatures over 60 °C.

M1 spot housings will have a rigid supporting point and must be vertically, horizontally and laterally adjustable, in accordance with patent number 91/08198.

Cut-outs will be reinforced on the underside by 2 mm thick stiffening washers.



HORIZONTALLY AND VERTICALLY ADJUSTABLE SPOT HOUSING



TREMPO WITH SPOT HOUSING BEFORE CUTTING OUT TO FIT THE SPOT



SPOT HOUSING AND BULB



TREMPO CUT WITH WASHER



SPOT ON THE TREMPO

BARRISOL[®] TREMPO

4.2 Service items

BARRISOL techniques enable emergency exits, sprinklers, smoke detectors, air conditioning systems, sound systems, etc. to be incorporated into BARRISOL ceilings. For ventilation trunking and air conditioning outlets, it is possible to extract through perforated fabrics with a minimum 50% opening which can be achieved with the 10 mm perforated fabric and a distance of 7 to 15 cm from the fabric perforated to the edge profile.

At the ceiling, the cut-out in the fabric is reinforced by employing a stiffening washer. This system combines the qualities necessary for the stable incorporating technical items into the BARRISOL fabric without creasing or marking it.

5. PROCEDURE FOR FITTING BARRISOL TREMPO

- 1) Cut out the edge profiles (ref BT/01) and separators (ref BT/05) at an angle and fix the edge profiles to the existing walls, with the holes taking the hooks facing upwards, and if necessary use separators in the room.
- 2) Hook the safety chains to the corners of the edge profile.
- 3) Unfold the TREMPO at a temperature of 20 C° and hang it on the grips (ref. B119) in the corners.
- 4) Secure the TREMPO by attaching the safety chains to it.
- 5) Know the lengths of elasticated cord at the ends (in the corners) temporarily.
- 6) Begin by attaching the elasticated cord by means of a hook in the middle of the longest side then the opposite side, and alternately attach the elasticated cord, working towards the corners. Repeat for the other half.
- 7) Equalise the distance between the TREMPO and the edge profile by means of a template, it may be necessary to repeat this operation.
- 8) Cut the surplus elasticated cord in the corners and crimp it by means of Colson pliers.
- 9) Permanently fix the safety chains in the corners and every 3 m.

BARRISOL[®] TREMPO

6 AESTHETIC AND TECHNICAL ADVANTAGES

6.1 Aesthetic

- TREMPO comes in more than 100 colourways and 6 different finishes apart from Suede.
- Its modern design provides freedom of decorative expression.
- It creates an ambience.
- It is possible to change colours.
- It goes anywhere.

6.2 Techniques

- TREMPO has an M1 fire rating in France and Belgium, B1 in Germany, Class 1 in Canada, USA and Italy and Class 0 in Great Britain.
- It complies with current regulations.
- Its low weight (250 g/m²) does not overload supporting structures.
- It is quick to fit.
- It can be taken down and put up again as required.
- It is washable.
- Its tension remains stable over time.
- It is resistant to most fumes and gases.
- It has a memory effect and so goes back into place after being stressed.



TREMPO IN WAVES

BARRISOL[®] TREMPO

7 STANDARD DESCRIPTION FOR INCLUSION IN A TENDER SUBMISSION

BARRISOL TREMPO stretched ceilings, plain or perforated fabric, made to measure to the dimensions and shapes of rooms.

They will consist of:

- A high resistance **flexible Barrilite sheet**, obtained by rolling, rated M1 non-flammable, with the benefit of 10 years' experience of its long life.
- **The sheet** has a **welded peripheral border, fitted with eyelets at each corner and spaced around the periphery every 13 to 15 cm, used to tension the ceiling on a smooth peripheral by means of an elastic lacing system.**
- Safety chains **fitted every 3 m between the eyelets and the edge profiles and providing M1 fire protection.**
- **An anodised or enamelled aluminium edge profile** used to attach the ceiling.

The TREMPO stretched ceiling is akin to a suspended ceiling under a decision by France's Interior Ministry – Civilian Safety Section, Sub-Section for Natural and Technological Hazards – the Prevention and of Civil Protection Section's Bureau of Fire Safety.

BARRISOL TREMPO stretched ceilings:

- **Guarantee** over time an appearance without cracks, without spectrum effect.
- **Allow** quick dismantling by hand, when necessary.
- **Allow the installation of:**
- All types of lighting (spots, built-in or surface-mounted fittings, mountings and pendants on the basis of patented systems).
- All air conditioning equipment.
- Fire and smoke detectors.

BARRISOL® TREMPO

APPENDIX: MEASURING UP DATA

8 MEASURING UP

BARRISOL TREMPO is measured up in the same way as BARRISOL ceiling and you should give us the distance from the wall to the BARRISOL TREMPO, a distance that can vary from 7 to 15 cm.

Your order number Colour of ceiling wallpiece Delivery requested on Transport requested Customer concern Street Floor Height under BARRISOL Normalu drawing number Please state the type of ceiling wanted The delivery date requested is not contractual		dated Ref. Ref.		Your business stamp Your drawing no. Page no. Customer no. BARRISOL NORMALU 68680 Kembs - Tel. Fax Your delivery address	
BARRISOL	BARRISOL STAR White harpoon	BARRISOL STAR Black harpoon	BARRISOL TREMPO	BARRISOL WALLPIECE	OTHERS to be specified
<p style="text-align: center;">13 to 15 cm</p> <p style="text-align: center;">● Eyelets ● Eyelets whose position cannot be altered</p> <p style="text-align: center;">From 7 to 15 cm around the periphery</p>					
ONLY ONE CEILING OR WALLPIECE PER SHEET, PLEASE					
Give dimensions in accordance with the Barrisol technical document			For DOORS: the position will be dimensioned and way of opening marked		

BARRISOL® TREMPO

APPENDIX: MEASURING UP DATA

It is also possible to make a special shape in Barritrempo. Measuring up is as for a normal stretched ceiling, specifying the corners on curved parts.

Your order number Colour of ceiling wallpiece Delivery requested on Transport requested Customer concern Street Floor Height under BARRISOL Normalu drawing number Please state the type of ceiling wanted The delivery date requested is not contractual		dated Ref. Ref.		Your business stamp Your drawing no. Page no. Customer no. BARRISOL NORMALU 68680 Kembs - Tel. Fax Your delivery address	
BARRISOL	BARRISOL STAR White harpoon	BARRISOL STAR Black harpoon	BARRISOL TREMPO	BARRISOL WALLPIECE	OTHERS to be specified
ONLY ONE CEILING OR WALLPIECE PER SHEET, PLEASE					
Give dimensions in accordance with the Barrisol technical document		For DOORS: the position will be dimensioned and way of opening marked			

BARRISOL® TREMPO

APPENDIX: MEASURING UP DATA

It is possible to make rounded concave and convex shapes. Rounded shapes are composed of faces of 15 cm minimum length for the smallest radius curves.

Your order number Colour of ceiling wallpiece Delivery requested on Transport requested Customer concern Street Floor Height under BARRISOL Normalu drawing number Please state the type of ceiling wanted The delivery date requested is not contractual		dated Ref. Ref.		Your business stamp Your drawing no. Page no. Customer no.	
		number Room		BARRISOL NORMALU 68680 Kembs - Tel. Fax Your delivery address	
BARRISOL	BARRISOL STAR White harpoon	BARRISOL STAR Black harpoon	BARRISOL TREMPO	BARRISOL WALLPIECE	OTHERS to be specified
<p style="text-align: center;">13 to 15 cm</p> <p style="text-align: center;">Eyelets Eyelets whose position cannot be altered</p> <p style="text-align: center;">7 to 15 cm</p>					
ONLY ONE CEILING OR WALLPIECE PER SHEET, PLEASE					
Give dimensions in accordance with the Barrisol technical document			For DOORS: the position will be dimensioned and way of opening marked		