

Installing coverings and profiles

Technical guide



Before



After

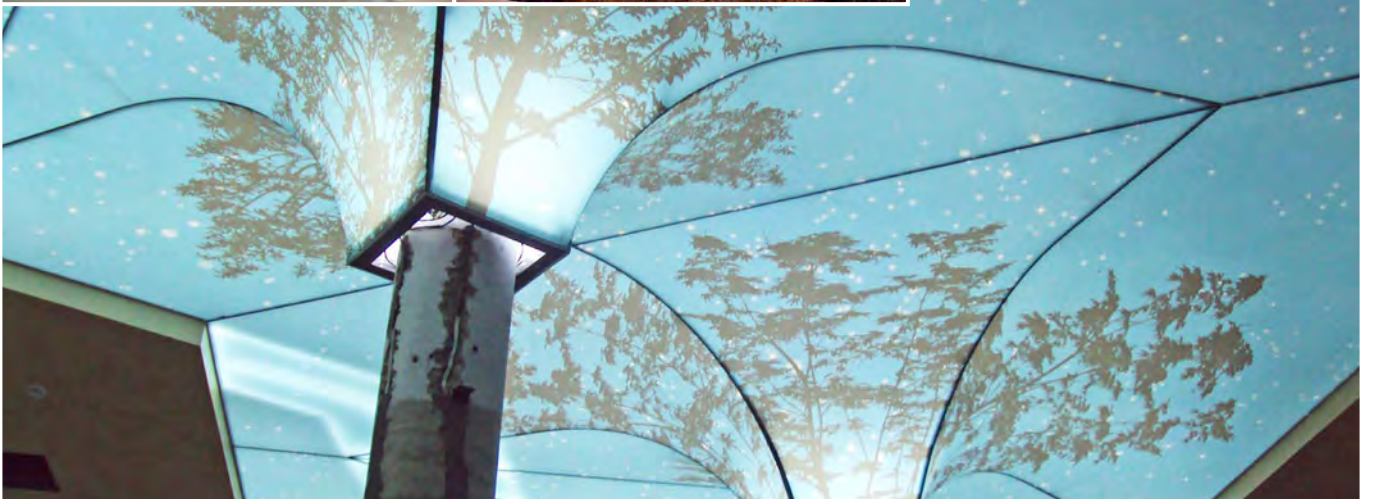
Made in France





ecophon | **CLIPSO**
SAINT-GOBAIN

SAINT-GOBAIN



General information

- 2 | **Introducing the CLIPSO system**
- 3 | **Advantages of the CLIPSO system**

CLIPSO products

- 4 | **CLIPSO coverings**
- 7 | **CLIPSO profiles**
- 9 | **Basic principles**
- 11 | **Receiving your products**

The installation method

- 12 | **Ceilings**
- 18 | **Walls**

Worksheets

- Specific cases**
- 24 | Worksheet no. 1 - Incorporating spotlights
- 25 | Worksheet no. 2 - Incorporating light fittings chandeliers and pendant lights
- 26 | Worksheet no. 3 - Optic fibers
- 27 | Worksheet no. 4 - Incorporating inspection hatches
- 28 | Worksheet no. 5 - Incorporating access panel
- 29 | Worksheet no. 6 - Internal and external corners
- 30 | Worksheet no. 7 - Cornices and rounded corners
- 31 | Worksheet no. 8 - Working around posts
- 32 | Worksheet no. 9 - Installation between beams
- 33 | Worksheet no. 10 - Skylights
- 34 | Worksheet no. 11 - Complex shapes
- Specific environments**
- 35 | Worksheet no. 12 - Humid environments: swimming pools, spas
- 36 | Worksheet no. 13 - Treatment of hot areas

Introduction

This technical guide for installing CLIPSO coverings and profiles has been exclusively created for fitters in the CLIPSO network who have successfully completed CLIPSO's approved fitter training programme.

It must not be used in place of the training given at the CLIPSO premises (state-approved training) and must not be made available to third parties.

This workbook is designed to provide a complement to training, revisiting and developing the subjects covered during the programme

A copy of this guide shall be issued to each participant at the end of the two-day training programme carried out in our premises in Vieux-Thann (France).

General information

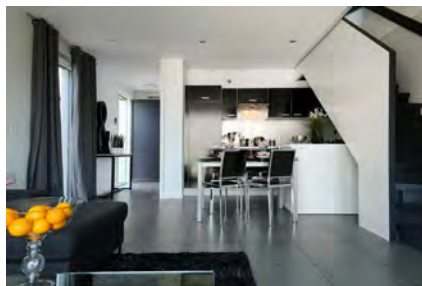
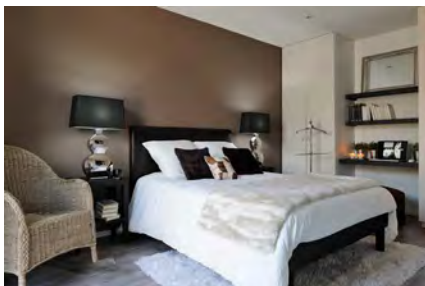
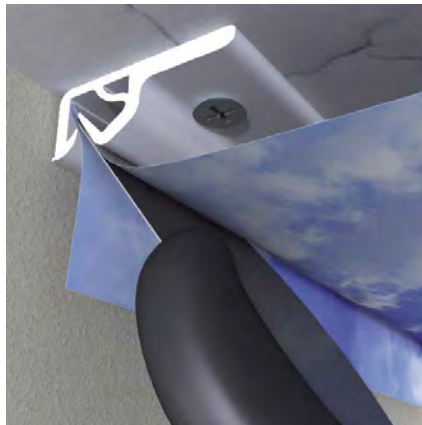
Introducing the CLIPSO system

The CLIPSO system features two main elements:

- CLIPSO PVC-free coverings, in polyurethane-coated polyester mesh.
- Peripheral fastening profiles into which the covering is clipped using a special kind of spatula.

The quick, efficient CLIPSO installation system, carried out at room temperature, meets various requirements, and can satisfy all kinds of design and decoration ideas.

It is perfectly suitable for new build or renovation work, and for use in the home as well as professional environments.



Advantages of the CLIPSO system

CLIPSO coverings

- CLIPSO coverings are available in extra-wide sizes (net usable widths of up to 5.1 m).
- 10-year guarantee.
- The PVC-free CLIPSO coverings hold a GREENGUARD Gold ecolabel and A+ labelling, and comply with EC standards.
- The factory, located in France, using European raw materials, is certified ISO 9001 (you can find all of the standards and certifications held by CLIPSO coverings on our website at www.clipso.com).
- CLIPSO coverings are water repellent and chlorine resistant.
- They can be washed using a pH-neutral cleaning product.
- Some can be painted (using acrylic paint).
- CLIPSO coverings are highly stable at room temperature.
- They can adapt to all shapes.



Installation

- Quick and simple measurements enable you to create instant quotes
- Quick, dry, odourless and waste-free installation at room temperature
- Installation in one session, with no resulting nuisance
- Furniture does not need to be moved. The interior space isn't turned into a building site for days on end

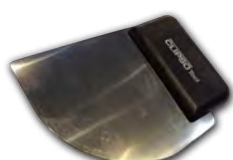
The specific equipment required

The CLIPSO system requires minimum investment in terms of tools and equipment. Certain essential tools must be used in order to ensure that a high-quality installation is achieved. They complement the standard tools in any craftsman's collection (screw gun, drill, level, tape measure etc.). They include:

- 1x putty knife (ref. O-CTM, O-CTI & O-CTP) (*)
- 1x mitre-cutting shears (ref. O-SLHU)
- 1x snap-off blade utility knife (ref. O-C20E) (*)



Spatula
Ref O-CTM



Special spatula for
corners
Ref O-CTI



Plastic spatula
Ref O-CTP
Recommended for
printed coverings



Mitre-cutting shears
Ref O-SLHU



Snap-off blade utility

knife
Ref O-C20E

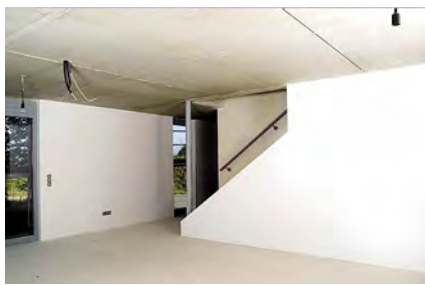
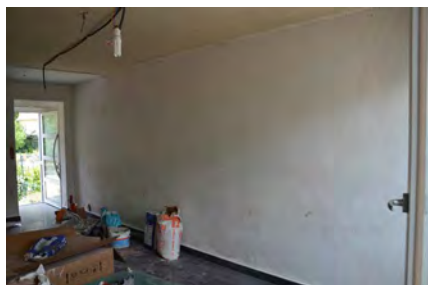
(*) These tools are included in the cost of the training and will be provided at the end of the session.

The detailed characteristics of the putty knife are listed on page: 14.

N.B.: In its price list, CLIPSO offers a complete toolbox, including essential tools along with the recommended equipment for fitters. Refer to page 26 of the 2013 CLIPSO price list.

The result

- The CLIPSO system is the perfect solution both for renovations and for new buildings. It can fulfil all constraints and styles, and can be fitted on to any type of substrate.
- The stretching system and the high-tech nature of CLIPSO coverings guarantee complete uniformity and a perfectly smooth surface
- The system also enables easy incorporation of downlighters, light fittings and all types of decorative or technical elements
- CLIPSO walls and ceilings improve aesthetic and acoustic harmony.



CLIPSO products

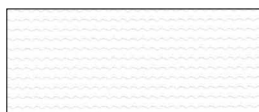

CLIPSO coverings

A wide selection of CLIPSO coverings is available, so you can choose the most suitable product for the intended use and location.

CLIPSO offers a wide range of coverings to meet every need for the dressing of walls and ceilings. Both decorative and practical, CLIPSO coverings are available in several versions:

SO CLASSIC, SO ACOUSTIC, SO LIGHT, SO CLEAN, SO SPECIFIC, SO DECO, SO AERO.

SO CLASSIC

705 S	Standard
0001 Optical White	0002 Classical White
	

SO SPECIFIC

705 PA	Pearlescent
7071 Diamond Gray	7005 Silver White
	

SO ACOUSTIC

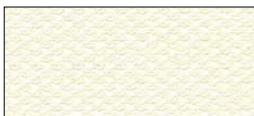
495 AC

Acoustic color

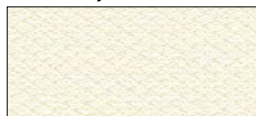
4004 Wax



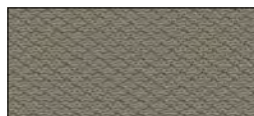
4012 Nude



4011 Chalky White



4025 Stone



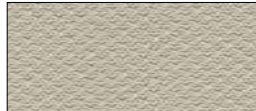
4031 Seafoam



4032 Sea Gray



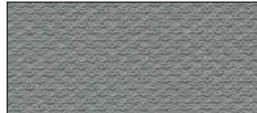
4040 Pebble Gray



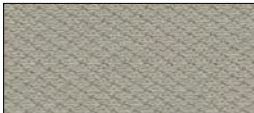
4041 Pepper Gray



4051 Cement Gray



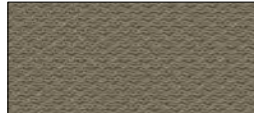
4052 Ash



4054 Anthracite



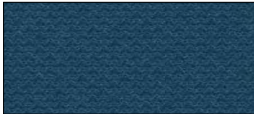
4062 Chestnut



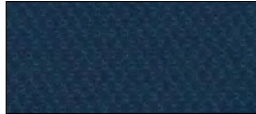
4064 Sienna earth



4035 Indigo blue



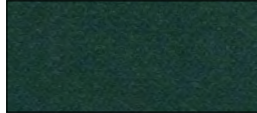
4034 Cobalt blue



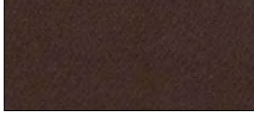
4071 Clay green



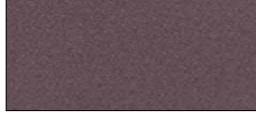
4072 Fir green



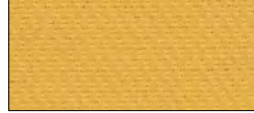
4028 Blueberry



4022 Ash mallow



4005 Yuzu



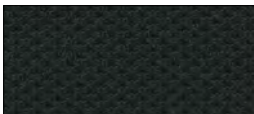
495 D / 705 A

Acoustic

495 D - 0003 White



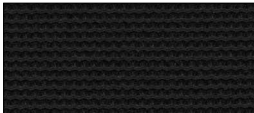
495 D - 9999 Black



705 A - 0003 White



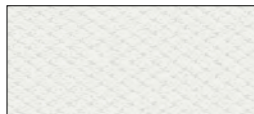
705 A - 9999 Black



495 AT

Acoustic Translucent

495 AT (35%*) - 0004 Translucent White



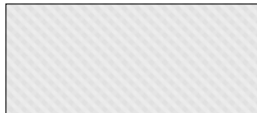
SO LIGHT

Translucent

Acoustic Translucent

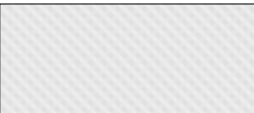
307 T

307 T (30%*)
0004 Translucent White



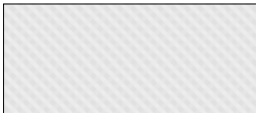
308 T

308 T (50%*)
0004 Translucent White



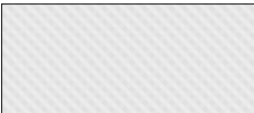
309 T

309 T (70%*)
0004 Translucent White



495 AT

0004 Translucent White



* Light transmission

SO CLEAN

Antibacterial

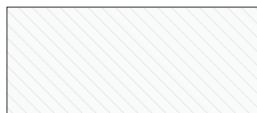
Nostain

Antibacterial translucent

Antibacterial acoustic

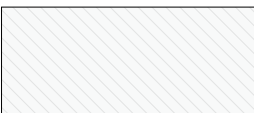
705 AB

705 AB (antibacterial)
0001 Optical White



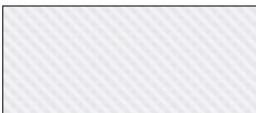
705 NOSTAIN

705 Nostain
0001 Optical White



308 T AB

308 T AB (50%*)
0004 Translucent White



495 AB D

495 AB D
0003 White



Table of fabrics and types of application

- 1** : Common rooms (living rooms, bedrooms, offices, corridors...)
2 : Backlit
3 : Humid environment/Wetrooms (kitchen, bathroom...)
4 : Humid environment/Wetrooms (swimming pool, hot tub, spas...)

- 5** : Shops
6 : Gyms, commercial and professional offices
7 : Council buildings (kitchens in schools , hospitals...)
8 : Audio rooms (home cinema, cinema...)
9 : Acoustic

	PRODUCTS REFERENCE IN THE PRICELIST	AVAILABLE COLOURS ACCORDING TO CLIPSO COLOUR CHART	RECOMMENDED USE								
			1	2	3	4	5	6	7	8	9
SO COLOR	705 S	Optical white									
		Classic white									
		Beige									
		Black									
	705 PA	Diamond grey									
		White silver									
495 AC	The full range of 29 colors (see page 5)										
SO ACOUSTIC	495 D / 705 A	White									
		Beige									
		Black									
	495 AT	Translucent white									
SO CLEAN	705 AB	Optical white									
	705 NOSTAIN										
	308 T AB	Translucent white									
	495 D AB	White									
SO LIGHT	307 T (30% of light transmission rate)	Translucent white									
	308 T (50% of light transmission rate)										
	309 T (70% of light transmission rate)										
	495 AT										
THE ABOVE STATED PRODUCTS ARE SOLELY INTENDED FOR PRINTING											
SO DECO	507 P	Optical white									
	DECOPRINT	Optical white									
	595 P	White									
	DECOPRINT PB	Optical white									
	530 PT	Translucent white									
	550 PT										
	570 PT										

All CLIPSO coverings comply with technical requirements and safety standards. The development of CLIPSO fabrics is based on the latest technological expertise, confirmed by certifications and tests by French and international official bodies.

All certifications can be found at www.clipso.com.

The use of the coverings is done according to the environmental and technical stresses of the building it will be installed. It has to be done according to the norms NF DTU 58.2 P1_2 & DTU 59.4.

CLIPSO profiles

The CLIPSO range of profiles features various materials, such as PVC, ABS and aluminium, which are selected depending on the application for which they are intended.

P-CC and P-CW profiles are the basic profiles, which are most often used in classic installations for ceilings and walls.

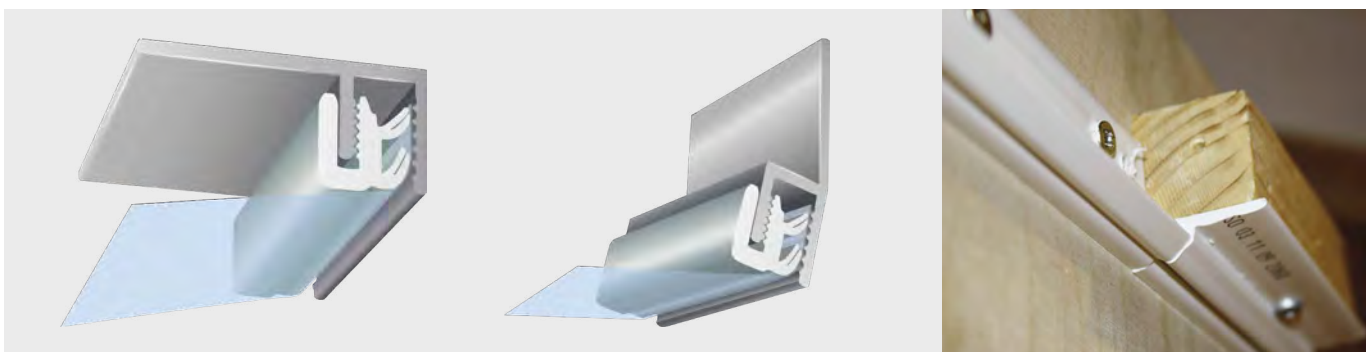
Tension profiles



P-CC profile

P-CW profile

Maintaining profiles



P-CCA profile

P-CWA profile

The P-CC and P-CW profiles are inter-compatible.

For the installation of ceilings and walls, they may be separated into two main categories:

Tension profiles

The tension principle consists of pinching, and is particularly suitable for large-sized ceilings.

These profiles include the following products, and their various applications are described in the table below:

P-CC / P-CW / P-C10 QS / P-C11 QS / P-CCB022 / P-B1 (combined with an aluminium profile) / P-CC1P





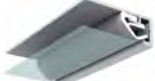

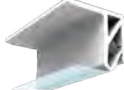





Maintaining profiles

The reinforcement principle consists of compression. It is suitable for interior ceilings of up to 2.5 m and for wall installations.

They include the following products, and their various applications are described in the table below:

P-CCA / P-CWA / P-C6 / P-CI12 / P-DK27 (combined with an aluminium profile)

CLIPSO PROFILE COMPARISON AND INFORMATION CHART

	References	WALLS	CEILINGS	JOIN	SPECIFIC CASES
TENSION PROFILES Large covering up to 5m wide	P-CC 				
	P-CW 				In wall for niches
	P-C10 QS 				Warm and walled areas for niches
	P-C11 QS 				Warm environment
	P-CCB022 				
	P-B1 				Combined with an aluminium profile
	P-CC1P 				
REINFORCEMENT / MAINTAINING PROFILES SMALL SIZED CEILINGS (UP TO 2.5M MAX) WALLS	P-CCA 				Up to 2,5m wide
	P-CWA 				Up to 2,5m wide
	P-C6 				Up to 2,5m wide
	P-C12 				
SPECIFIC PROFILES	P-RA04 & P-B1 				

Specific cases:

- for coverings installed in specific environments (such as saunas or steam rooms) or in contact with heat sources of around 50°C (e.g. chimney surrounds), P-C10, P-C11 or similar profiles must be used; these are specifically adapted for these configurations (see worksheet no. 12).
- in the event of installation with a double join, please note that only the P-CC, P-MIDSPAN and P-RA04 profiles associated with the P-B1 clip are suitable (details on page 16 and 17).

Basic principles

Preparation of the worksite

To ensure the best possible conditions for your installation, preparation of the worksite is essential.

Following a quick assessment of the site at your customer's premises, in a single session, you will produce a quote following the 6 main steps:

1. Identify and analyse the **customer's request** (e.g. specific aesthetic requirements, acoustics, incorporation of light fittings etc.).
2. Identify the **type of substrate** upon which the covering will be installed.
3. **Choose the fastening system** for the covering and the relevant profiles.
4. **Analyse the constraints of the premises** (depending on their configuration and the type of environment).
 - Humidity, room temperature, potential heat sources, fire reaction regulations, acoustic requirements.
 - Height, corners, double joins etc.**Analyse technical constraints** such as:
 - Wall and ceiling air/water-tightness: no entry of air.
 - Check that the walls and/or ceilings are sound: no humidity.
5. **Take measurements** using a standard tape measure or a laser.

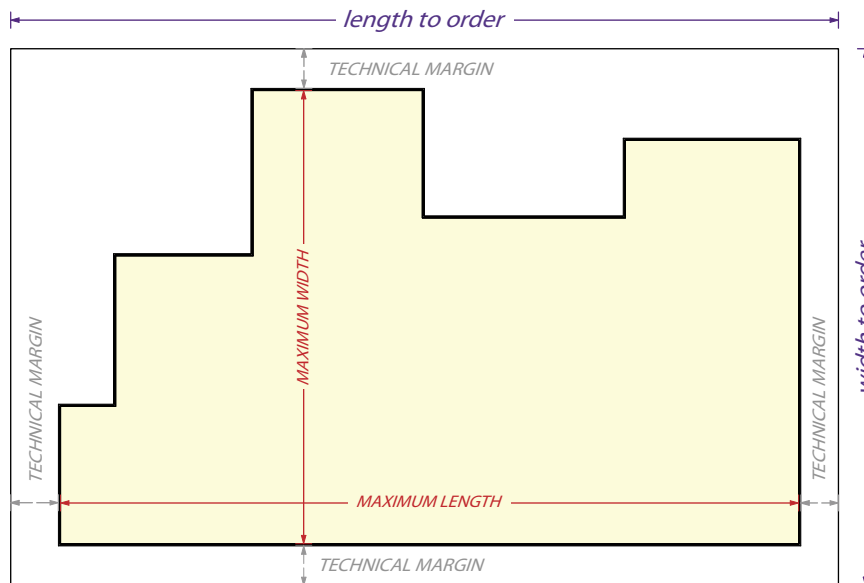
To calculate the quote, simply take the **maximum length** and the **maximum width**, add a technical margin of 100 to 200 mm depending on the size of the ceiling/wall or its technical nature.

In order to determine the correct quantity of profiles needed, we strongly recommend to use the following formula: Perimeter + **10 %**.

Example:

Your ceiling or wall measures 2.3 m x 4.0 m.

You should therefore order a fabric measuring 2.5 x 4.2 m and profiles 6 m + 8 m long.



CAUTION

If the length of your ceiling or wall is greater than 5 m, we recommend adding a 20 cm margin.

For example - if you have taken the following measurements: 4.9 x 5.5 m.

You should order a fabric measuring: 5.1 m x 5.9 m.

Then all you have to do is prepare your quote using the price list and the total number of m² established in your calculations.


The system is very easy to follow, and can be easily explained on site to your customer, who may even end up signing your order there.

From the assessments made on site, fill out the purchase order provided by CLIPSO following the template below (which you can request from the sales department at: service.commercial-clipso@saint-gobain.com).

Your orders can be sent by e-mail to the orders and transport department at: commandes.generales-clipso@saint-gobain.com.

Purchase orders

Coverings, profiles & accessories



Date : _____ **Your salesman:** _____

Request for quote to service.commercial@clipso.com
Order to clipso.order@clipso.com

Desired delivery date: _____ **Priority processing (50€ fixed rate per order)**

Your billing address			Your delivery address (if different)		
Company name		Company name		Address	
Address		Address		ZIP / City	
ZIP / City		ZIP / City		Country	
Country		Country		Phone	
Phone		Phone		Responsible	
Responsible		Responsible			

Type of transport desired (please tick the appropriate box)

I come to pick it up on my own Road transport Air transport Maritime transport Express delivery⁽¹⁾

(1) ATTENTION: An urgent delivery desired means nothing. If you want an EXPRESS DELIVERY, you automatically accept the additional price.

Drawings, remarks:	Your signature and stamp:
---------------------------	----------------------------------

CLIPSO ARTICLE REFERENCE No	DESIGNATION (Coverings, profiles, spots, tools, etc...)	COLOR	QUANTITY		LENGTH Margins included in mm	WIDTH Margins included in mm	YOUR COMMENTS
			lm	unit			
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO
							Double-seam : <input type="checkbox"/> YES <input type="checkbox"/> NO

By placing this order, you accept our general terms, which you are aware of. Prices, conditions, date of delivery and payment are mentioned on our confirmation orders and invoices. Normal order processing: 72 hours (Exworks) provided that your order is complete (references, description, quantities ... - see pricelists); except if you have ticked the boxes EXPRESS DELIVERY and/or PRIORITY PROCESSING.

CLIPSO Productions SAS - 5 rue de l'église - 68800 Vieux-Thann - France - Tel. : +33 (0)3 89 37 10 84 - Fax : +33 (0)3 89 37 48 92
SIRET No: 449 336 692 00024 - Intracommunity VAT No: FR 214 493 336 692

The orders and transport department will inform you of the shipping date of your products.

Receiving your products

1. Open out the packaging.
2. Cut open the packaging carefully using scissors, taking care not to nick the covering.
3. Wear gloves to protect the covering from dirt.
4. Identify the front side of the covering, to which a sheet of paper is attached.
- 5. Remember to cut out the guarantee label located on the packaging and keep it in a secure place.**
This label MUST be kept in your customer's invoice file. Staple the guarantee label located on the packaging.



1



2



3



4



5



PRECAUTIONS

Several very simple precautions should be taken to ensure that the fabric is kept in the best possible conditions:

- If, upon receiving the products, you notice that the protective box and/or packaging is damaged, this must be immediately noted on the transporter's delivery slip; **no claims concerning the guarantee can be handled unless this has been noted.**
- **CLIPSO** coverings must always be stored in their protective covers (always try to leave the package unopened until the last possible moment, just before installation).
- Coverings delivered on rolls must be stored flat and not on their end, even during transport (please check this upon delivery).
- Remember to store **CLIPSO** coverings in a room where the room temperature is no lower than 0°C and no higher than 40°C.
- The environment **MUST** be clean.
- Do not place anything on top of the packages.
- Gloves **MUST** be worn to install the fabric.

The installation method

Ceilings

Choosing profiles

When installing a CLIPSO ceiling covering, the suitable profiles shall be selected depending on the type of surface and application chosen.

In all cases, installation complies with the NF DTU 58.2 P1-2 and DTU 59.4 standard.

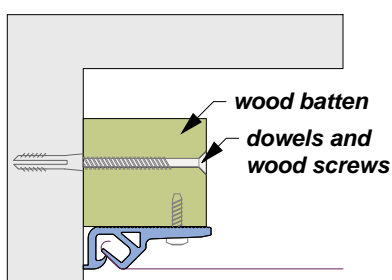
Hard surface

i.e. concrete, brickwork:

the recommended profile is **P-CC** fitted on battens.

Fixing system:

Dowels and wood screws fastened to the profile every 10 cm.



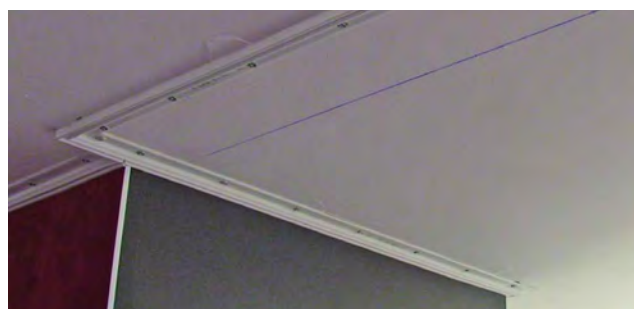
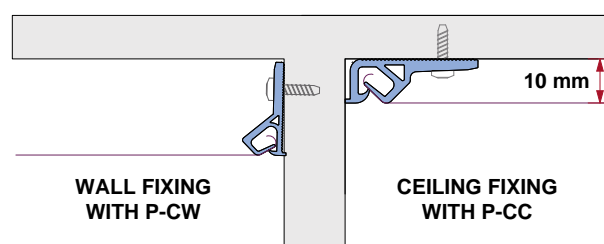
Soft surface

i.e. wood, plaster blocks or plasterboard:

the recommended profiles are **P-CC** or **P-CW**.

Fixing system:

glue, staple or screw, or wood screws fastened every 10 cm.



Picture of P-CC profiles fixed onto a hard surface.



Picture of P-CC profiles fixed onto a soft surface.

All the recommended screws and dowels can be found page 25 of the 2013 CLIPSO pricelist.

Installing profiles

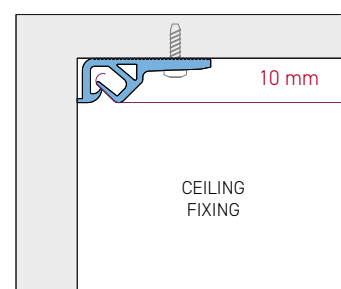
The application method is also related to the installation selected, i.e. with or without plenum.

Ceiling without plenum (distance of at least 12 mm between the fabric and the surface)

Profiles recommended for this type of application:

P-CC / P- CB022 / P-CCA.

- Cut the profiles to the correct length. For the corners, make angled cuts using the shears (ref. O-SLHU) or a mitre saw.
- Fit profiles around the existing ceiling (see the DTU 58.2 P1-2 standard) using fixing systems to suit the type of surface and technical constraints, and taking the above indications into account.



N.B.:

The profiles must be fixed at their join.

Profiles must not be deformed by incorrect fixing or a highly stretched covering.

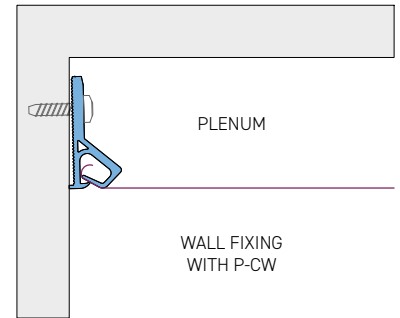
In the case of the profile being stapled, the use of divergent staples is recommended.

Ceiling with plenum

Profiles recommended for this type of application:

P-CW / P-CWA / P-CC / P-CCR.

- Cut the profiles to the correct length.
For the corners, make angled cuts using the shears (ref. O-SLHU) or a mitre saw.
- Using a laser level or classic level, determine the level at which the profiles are to be fitted around the wall (taking into account the light fittings and other technical elements to be installed).
- Fit profiles around the existing wall (see the DTU 58.2 P1-2 standard) using fixing systems to suit the type of surface and technical constraints, and taking the above indications into account.



N.B.:

The profiles must be fixed where they join.

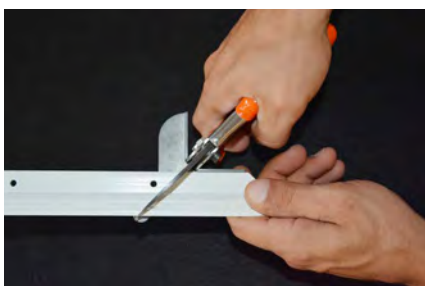
Profiles must not be deformed by incorrect fixing or a highly stretched covering.

In the case of the profile being stapled, the use of divergent staples is recommended.

Overview of corner cutting

The geared mitre-cutting shears (ref. O-SLHU) is a tool specifically designed for cutting the profiles and obtaining perfect finishes on internal and external corners.

In addition, this tool has the advantage of having very small dimensions and is easy to handle.



You can, of course, achieve very good results with a mitre saw, but this tool is more difficult to transport.

Fitting the covering



Make sure you wear gloves when carrying out this operation (see pages 24 and 25 of the 2013 CLIPSO price list).
For dark fabrics, the use of cotton gloves is recommended (see page 25 of the 2013 CLIPSO price list).
We also recommend that you use a knife with a new blade for a high-quality cut.



The CLIPSO putty knife is the essential tool for installing coverings, regardless of the type of application.

Overview of the O-CTM putty knife

In order to use the putty knife (ref. O-CTM) you need to know the following specific points, given during the training programme.



- The corner (1) is used to fit the covering into the profile whilst moving forwards to the rounded edge (2)
- The point of the putty knife (3) is used for making angles. It is recommended that the point of the putty knife is only used in corners, as it could tear the fabric.

It is important that you work with the putty knife held inclined at 45°.



Positioning of the putty knife.



Clipping the covering into the profile.

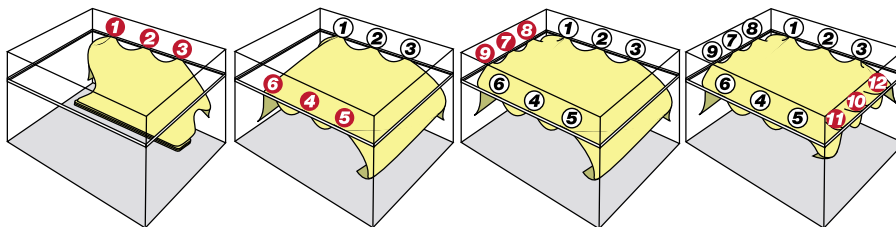


Work angle of 45°.

The covering is installed in several consecutive stages, the order of which must be respected in order to ensure a perfect finish in accordance with workmanship principles.

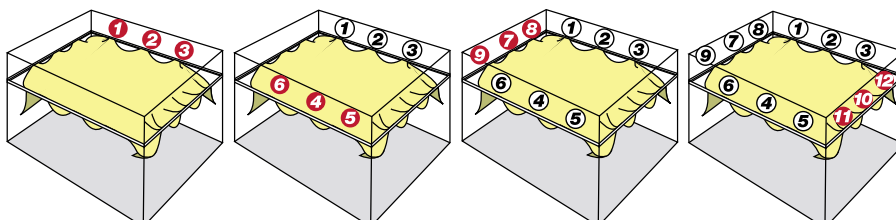
1. Positioning the covering

- Make fixing points every 500 mm as shown in the diagrams below.
- Make sure to work with opposite corners.
- Take geometry into account and start with the largest surfaces.



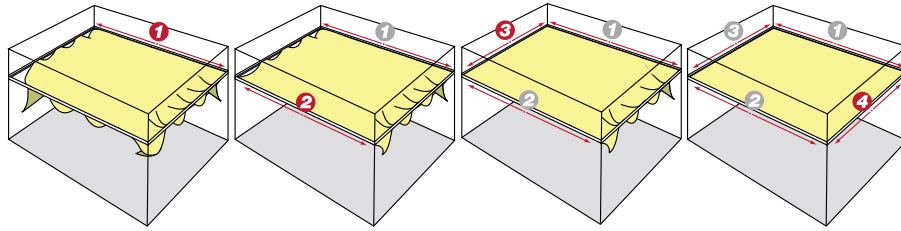
2. Stretching the covering

- Return to the different points in the order indicated, and always work with opposite corners.
- Always start at the centre and finish in the corners.



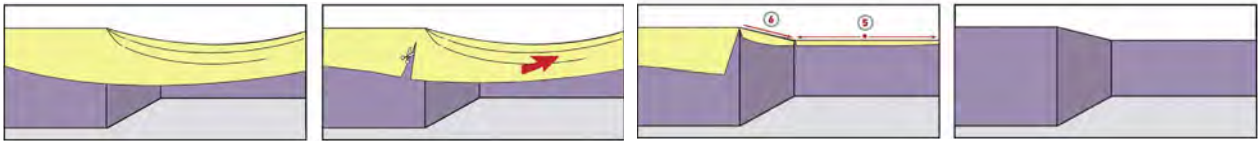
3. "Closing off" the covering

- Clip the covering into the recess in the profile. The mechanics of the profile will ensure perfect stretching. The aim of this very important operation is to get rid of surplus material.



4. Finish

- Ensure that step 3 was completed without leaving openings between points.
- Cut off the surplus material, making sure to leave 10 mm of fabric after the profile. To do this, we recommend using the utility knife (O-C20E)
- Using your putty knife, press the covering into the profiles.
- Use the heat gun to remove any minor imperfections.



N.B.:

In order to avoid damaging or weakening the profile, never use the utility knife directly in the profile recess.

Heat gun operating principle.



In all cases, we invite you to refer to your device's operating manual and to the manufacturer's instructions.

In order to achieve a perfect result, the heat gun must be held approximately 100 to 150 mm from the fabric. The heat source must in no event come into direct contact with the fabric. Use regular back-and-forth movements until any creases disappear. The covering's heat-shrinking principle will work faultlessly to achieve a perfect finish.

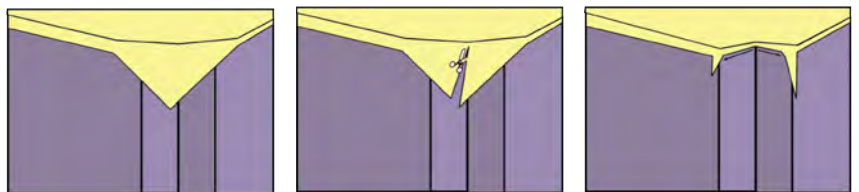


CAUTION

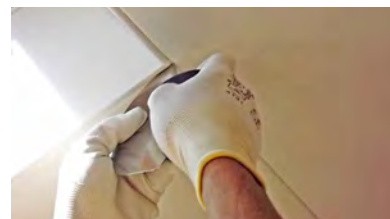
During this operation, the profile must be protected from heat using the putty knife.

Closing off corners:

Closing off external and internal corners requires very careful attention due to the stretching and the cutting operation.



30 mm from the corner, carefully press the excess covering into the recess using the putty knife, pushing gradually from the bottom to the top.

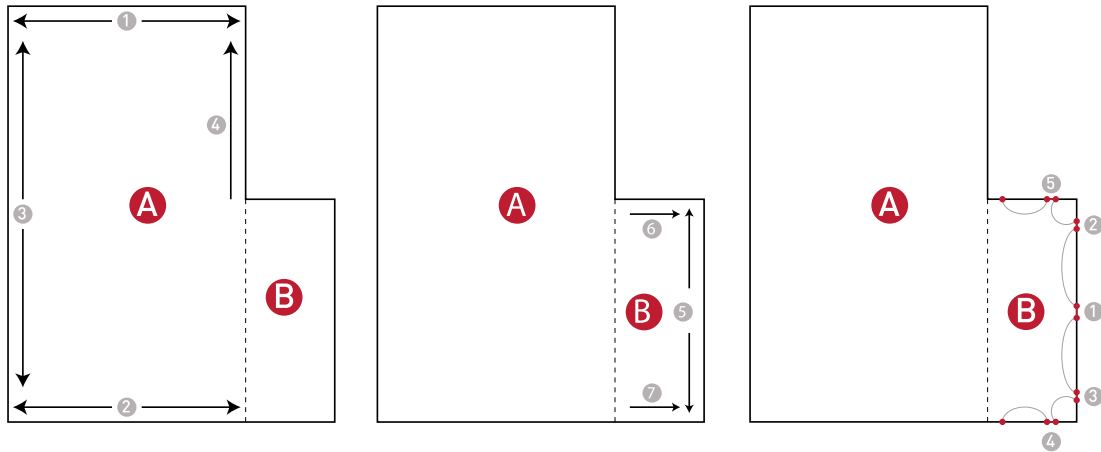


PRECAUTIONS

The external corners are to be worked on last, after the "closing off" operation has been carried out. The internal corners are to be worked on at the same time as the closure operation. If required, the heat-shrinking operation should be carried out once the finish is complete. It is essential to pay particular attention to areas where the covering is not supported (e.g. around pipes, etc.).

Ceiling with a complex shape

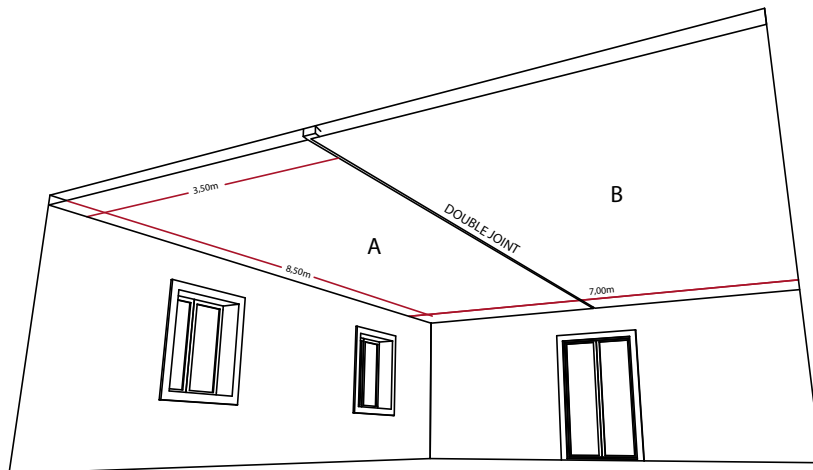
For complex-shaped rooms, the largest surfaces must be covered first, and the operation should be carried out as if there were two separate ceilings, surface A and surface B.



- When changing from surface A to surface B, the covering must be cut at the internal corner in order to allow the installation of surface B.
- The principle behind cutting in the corner is the same as for fitting a carpet.

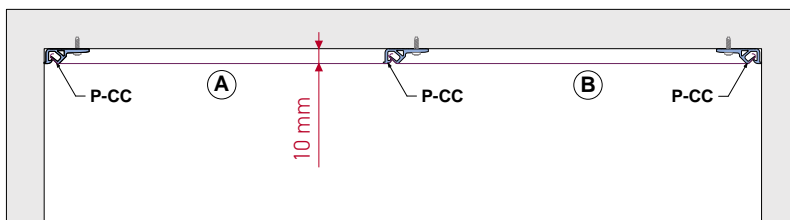
Very large ceilings, double joint principle.

For rooms wider than 5 m, a joint must be created, carefully dividing up the room.

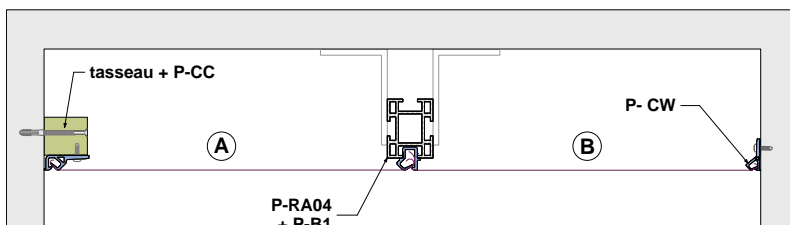


1. With standard profile for ceiling and wall

DOUBLE JOINT WITHOUT PLENUM

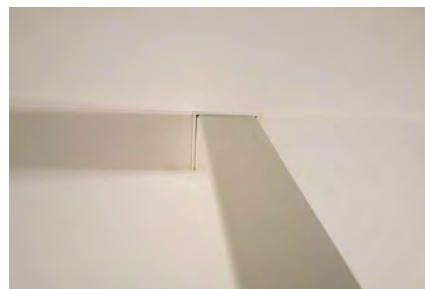
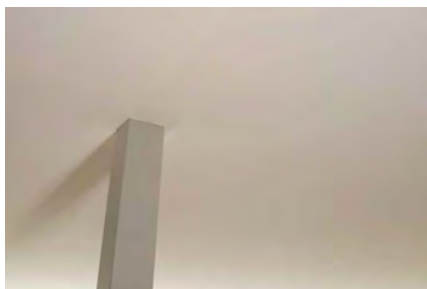


DOUBLE JOINT WITHOUT PLENUM



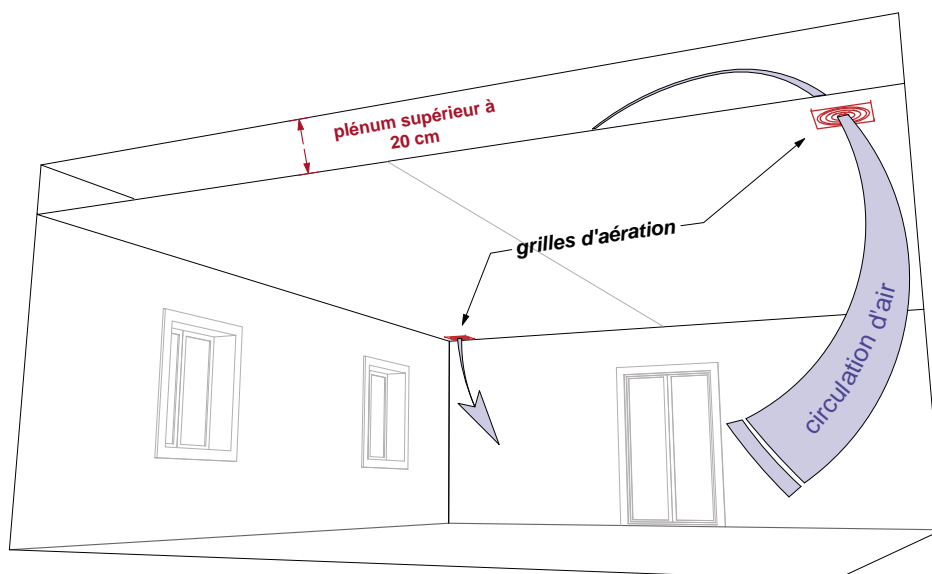
Proceed in the following manner:

- Fix the suitable profiles: P-CC or P-RA04 at the place where you wish to make the join.
- Create a nick as shown in the sketch below.
- Install ceiling A and ensure that it is fully completed.
- Then install ceiling B following the same process.
- Use heat-shrinking if necessary, and complete the finish.



CAUTION

When installing with a double join, the only suitable profiles are the P-CC or the P-R04 used with a P-B1. For this type of configuration, it is essential to match the direction of the covering's weave, which must be from the same production batch. This information **MUST** be displayed on the purchase order you issue.



CAUTION

For ceilings installed in large rooms (greater than 40 m²) and/or with a large plenum (greater than 30 cm) or with air extraction devices or ventilation hoods, and to avoid "flapping" effects, air vents should be planned at opposite corners of the room. This will allow air to circulate between the plenum and the room, avoiding "flapping".

Installation of light fittings, technical elements and other specific elements is covered in the detailed technical data sheets (from page 24 onwards).

Walls

Choosing profiles

When installing a CLIPSO wall covering, the suitable profiles shall be selected depending on the type of surface and application chosen.

In all cases, installation complies with the NF DTU 58.2 P1-2 and DTU 59.4 standard.

Hard surface

i.e. concrete, brickwork:

the recommended profiles are **P- CC, P-CCA or P-C6.**

Fixing system:

dowel + screw

or dowel + nail fastened to the profile every 100 mm.



Picture of P-CC profiles fixed onto a hard surface.

Soft surface

i.e. wood, plaster blocks or plasterboard:

the recommended profiles are **P-CC, P-CCA or P-C6.**

Fixing system:

glue, staple or screw,

or plaster screws fastened to the profile every 100 mm.



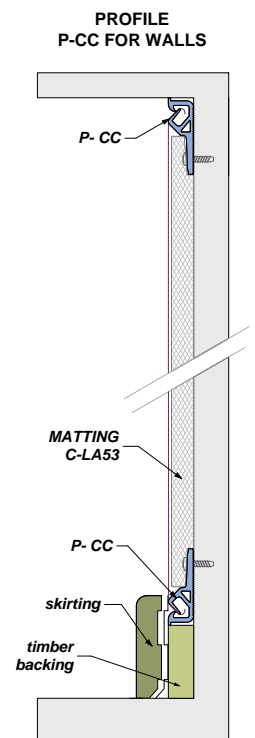
Picture of P-CC profiles fixed onto a soft surface.

Installing profiles

The requirements for preparing the support are considerably less strict than for an adhesive mounted covering. Nevertheless, care must be taken to block off any air flow, fissures and joints, to avoid any risk of staining the wall covering and to prevent any significant surface irregularities.

Profiles recommended for this type of application: **P-CC / P-CCA / P-C6.**

- Cut the profiles to the correct length.
For the corners, make angled cuts using the shears (ref. O-SLHU) or a mitre saw.
- Fit profiles around the existing wall (see the DTU 58.2 P1-2 standard) using fixing systems to suit the type of surface, technical constraints, and the above-mentioned indications.
- Fit profiles around the existing doors and windows (see the DTU 58.2 P1-2 standard)
- For light switches and sockets, a spacer approx. 10 mm thick must be installed.



N.B.: The profiles must be fixed where they join.

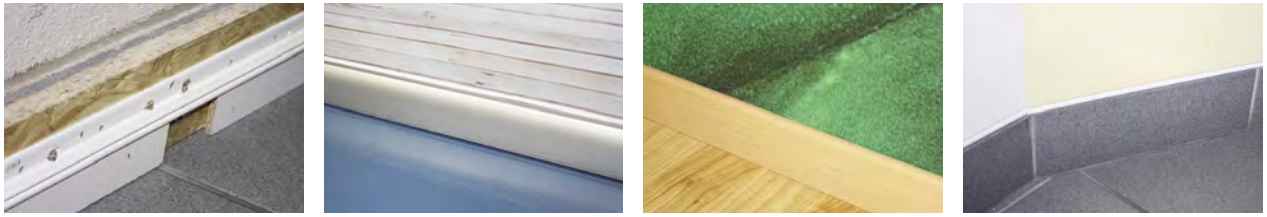
Profiles must not be deformed by incorrect fixing or a highly stretched covering.

In the case of the profile being stapled, the use of divergent staples is recommended in order to provide increased resistance to tear-out.



IMPORTANT PRECAUTION

We strongly recommend that you fasten profiles to the top of skirtings. Fitting wall coverings right to the floor surface can result in damage in the event of repeated impacts when vacuuming, cleaning, etc.).



To improve the room's acoustic comfort, noise insulation fabric can be fitted (ref. C-LA 53). Among other advantages, this fabric ensures a perfectly flat wall surface and is pleasant to touch.

Please respect the manufacturer's instructions for your chosen noise insulation fabric. Remember to place your fabric against the profiles to avoid any unattractive shadows at the fabric/profile join.

There are various methods for fixing your chosen noise insulation fabric or acoustic absorbent: either stapling or a suitable adhesive can be used, or even double-sided adhesive tape.



PRECAUTION

Make sure the profile is not covered by the matting.



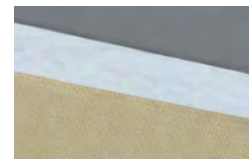
C-LA53 packaged in rolls.



C-LA53P packaged in sheets.



LA54



LA56

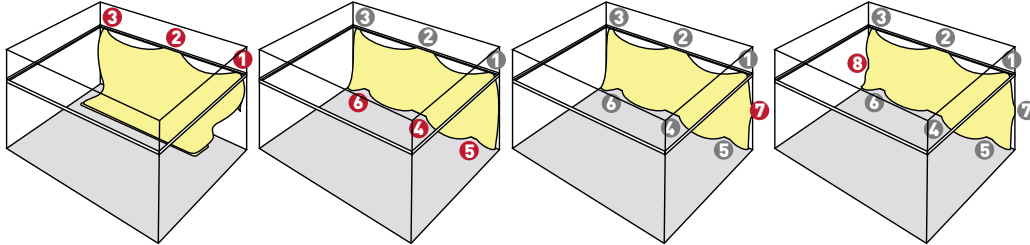


Fitting the covering

Installing coverings for stretch walls follows the same process as for stretch ceilings. The covering is installed in several consecutive stages, the order of which must be respected in order to ensure a perfect finish in accordance with workmanship principles.

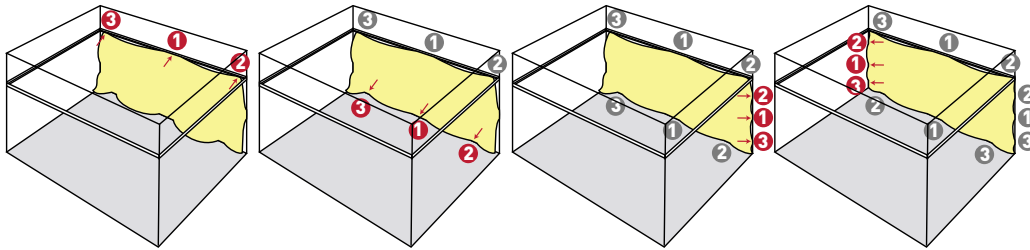
1. Positioning the covering

- Make fixing points every 500 mm as shown in the diagrams below.
- Make sure to work with opposite sides.
- Take geometry into account and start with the largest surfaces.



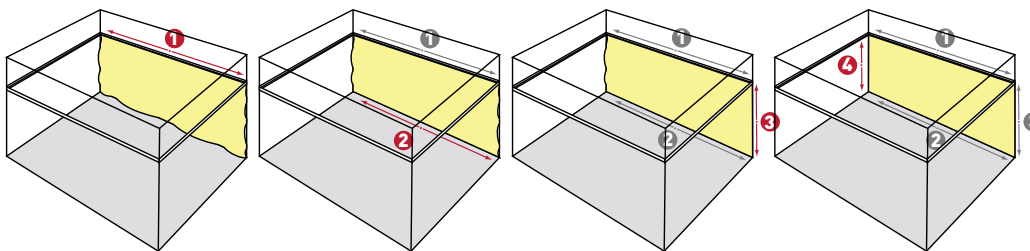
2. Stretching the covering

- Return to the different points in the order indicated, and always work with opposite sides.
- Always start at the centre and finish in the corners.



3. "Closing off" the covering

- Clip the covering into the recess in the profile. The mechanics of the covering will ensure perfect stretching. The aim of this very important operation is to get rid of surplus material.



4. Finish

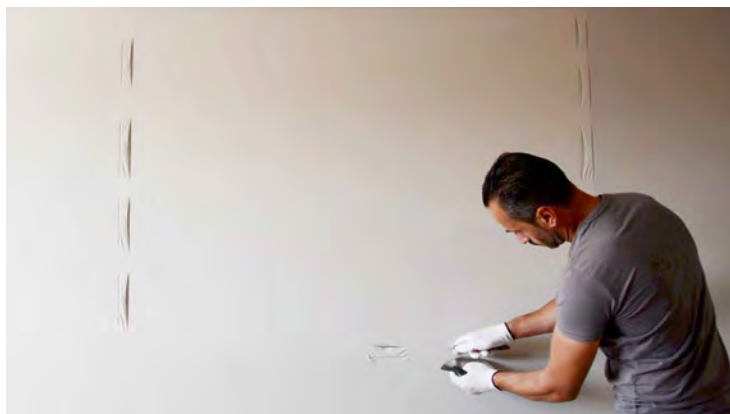
- Ensure that step 3 was completed without leaving openings between points.
- Cut off the surplus material, making sure to leave 10 mm of fabric after the profile. To do this, we recommend using the utility knife (O-C20E).
- Using your spatula, press the covering into the profiles.
- Use heat-shrinkage to remove any minor imperfections.



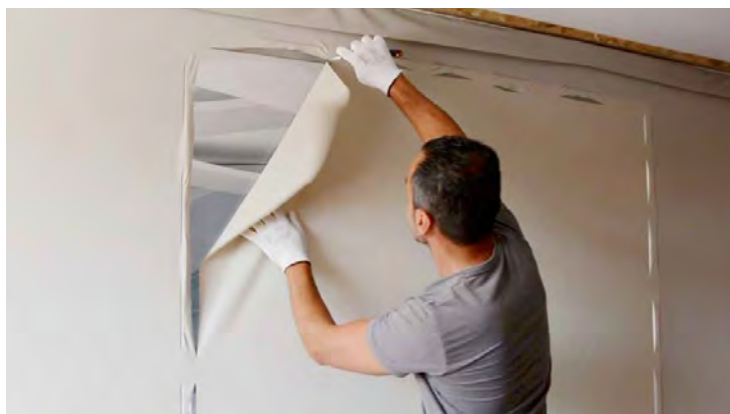
CAUTION

In order to avoid damaging or weakening the profile, never use the utility knife directly in the profile recess.

Working around doors and windows or switches and sockets



Make knicks in the covering.



Cut open the window space.



Cut off the excess.



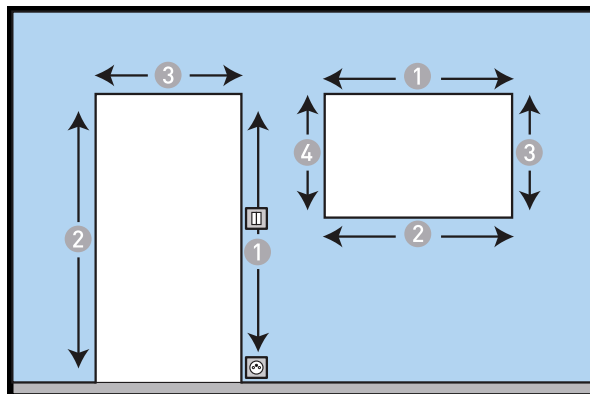
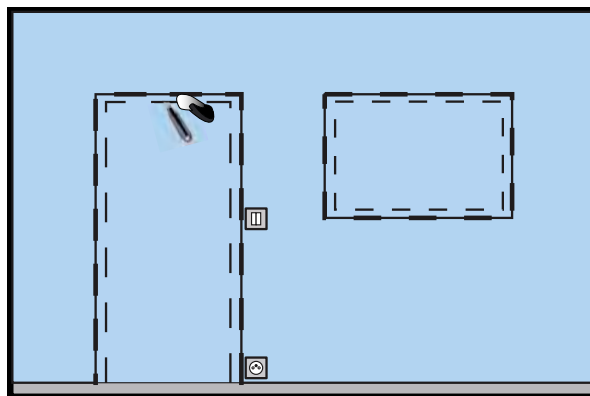
Press in the remaining excess.

Ouverture

1. Find the profiles using the spatula.
2. Apply pressure to hold the covering in place.
3. Make cuts in the covering (see images). Repeat the operation approx. every 300 mm all around the opening.
4. Cut out the opening following the cuts, making sure to leave a margin of 10 to 15 mm.
5. Press the covering into the profiles following the above-mentioned method. Pay particular attention to corners.

Finish

6. Clip the surplus covering into the profile.
7. Cut out the corners (see page 22 for details).
8. Use heat-shrinkage to remove any imperfections (see page 22 for details).



Close-up of creating a nick



Find the profile.



Make knicks in the covering.



Clip the covering.

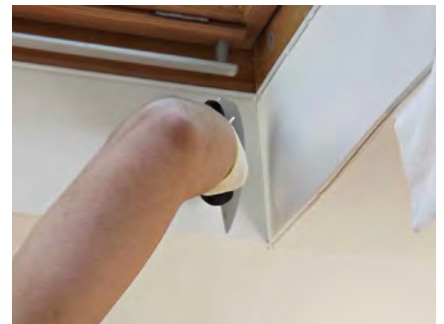
Close-up of cutting out a corner



Find the corner.

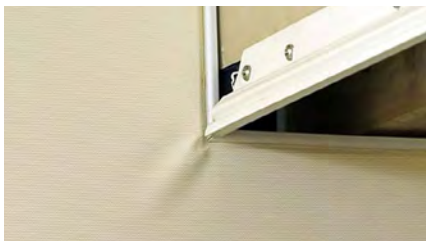


Cut into the covering.

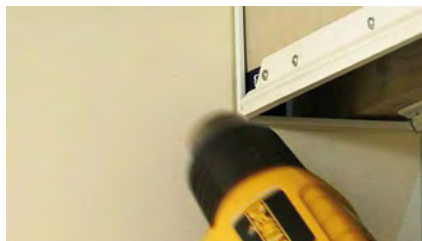


Clip the covering.

Close-up of heat shrinkage



Find imperfections.



Use the heat gun.



Observe the result.

Close-up of cutting out a switch



Find the switch.



Cut into the covering.



Fit the cover.

Wall and ceiling joins

When installing CLIPSO coverings on the wall and ceiling of the same room, the profiles can be joined together.

Two profile fastening methods can be used to complete this operation:

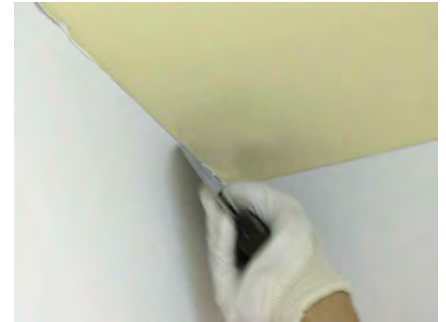
1. A P-CC profile fixed to the wall to stretch the wall covering, and a P-CW to stretch the ceiling covering.
2. For a high-quality, invisible finish, we will use a P-CC profile fixed either to the wall or to the ceiling, into which both coverings can be clipped. For this method, it is easier to fix the P-CC profile to the wall.



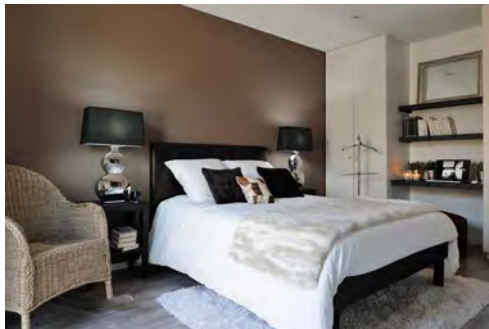
Trim the covering over the entire length using a utility knife.



For corners, use a utility knife to remove the rest of the covering.



Press the covering's excess margin into the recess in the profile.



Orders for large projects

For large-scale projects (minimum 100 m²), we advise that you inform your sales representative of the products and the total quantity of coverings required for the entire project when placing your order.

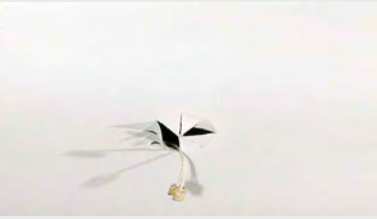
CLIPSO will make sure to supply fabric from the same production batch throughout the duration of your project, even if you place orders at several stages. Make sure that you specify the project reference number when ordering, and consider ordering an extra quantity of fabric in case you subsequently require after-sales service.



Worksheet no. 1

Specific cases

Incorporating spotlights

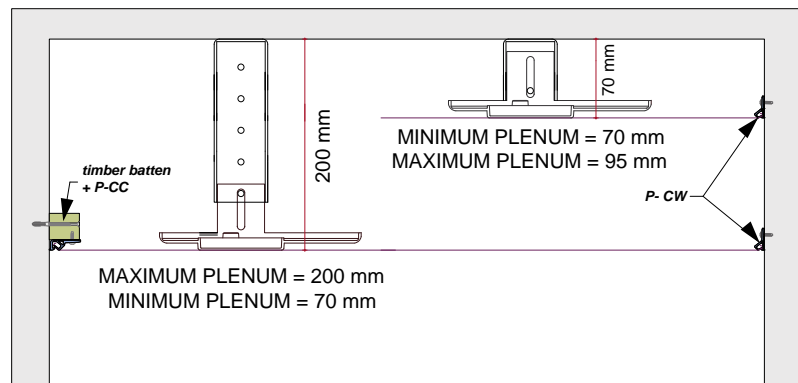


Incorporating spotlights of various sizes and types is quick and easy.

You need to follow three main steps:

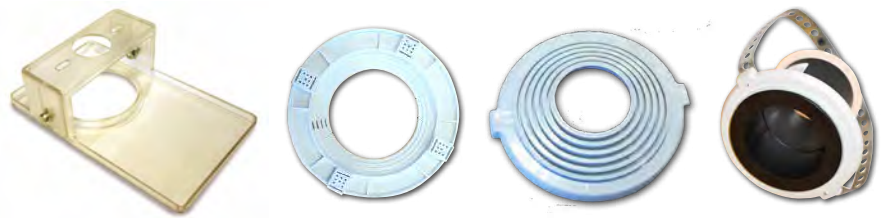
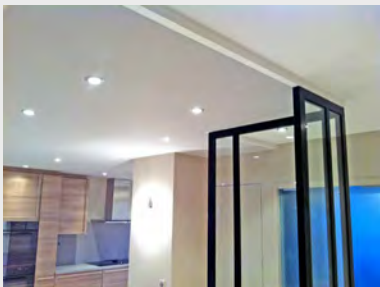
1. Levelling off

Once the profiles are fixed in place, stretch a piece of string from one profile recess to another using the putty knife, in order to ensure that all lights are levelled.



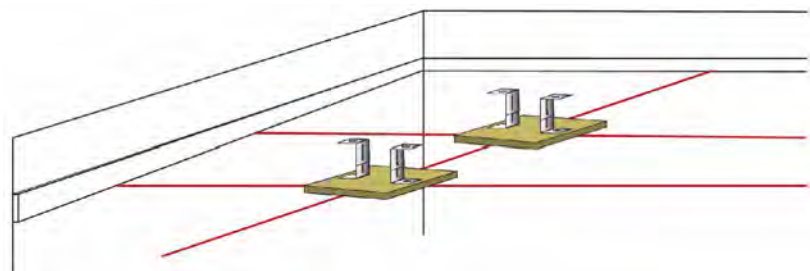
2. Installing supports

Then fix the different supports (spotlight holder, hatches, spacers, etc.) up against the string.

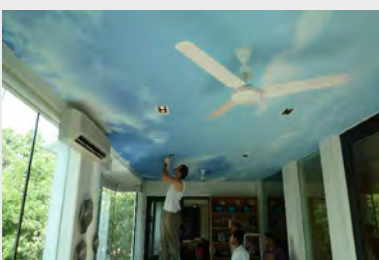
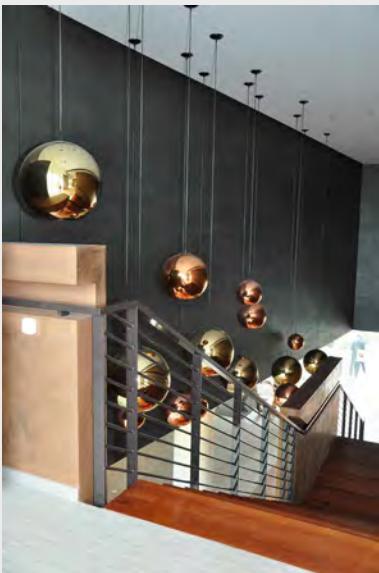


3. Connecting a spotlight holder

Once the covering has been stretched, locate the spotlight holder and cut out a star shape (1). Then retrieve the cable (2) from the spotlight holder and connect the spotlight (3).



Incorporating light fittings chandeliers and pendant lights



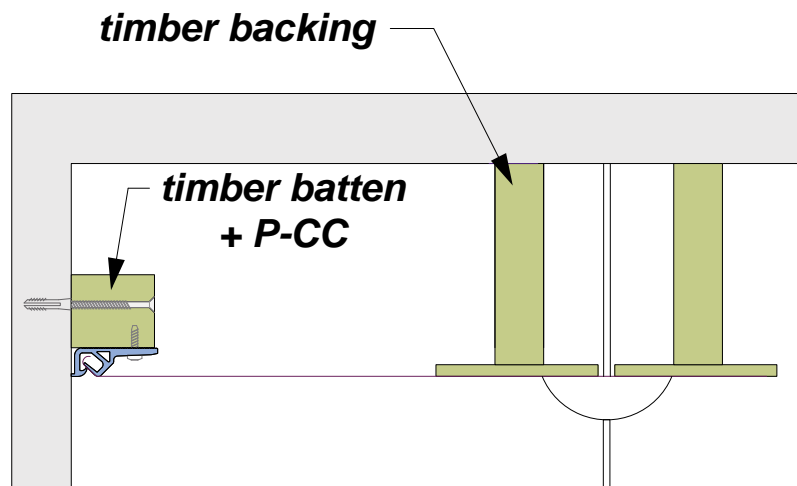
Incorporating light fittings such as chandeliers and suspended lights requires little preparation and is easy to achieve.

1. Preparing the surface

Depending on the installation method chosen (with or without plenum): once the profiles are fixed in place, stretch a piece of string from one profile recess to another using the putty knife, in order to ensure that all lights are levelled.

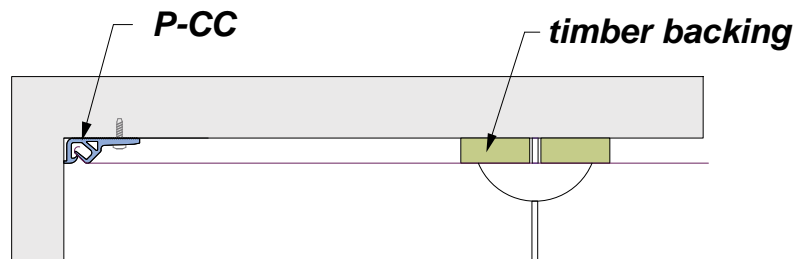
2. Installing supports

Fix the different supports (hatches, spacers, etc.) up against the string.



3. Connecting a chandelier or suspended light

Once the covering has been stretched, find the location of the light's cable, retrieve the cable and connect the spotlight.



CAUTION

In the case of a room with ceiling fans: It is important to ensure that the covering is correctly stretched to avoid any ceiling flapping. Make sure that you leave a minimum distance of 500 mm between the blades and the ceiling.

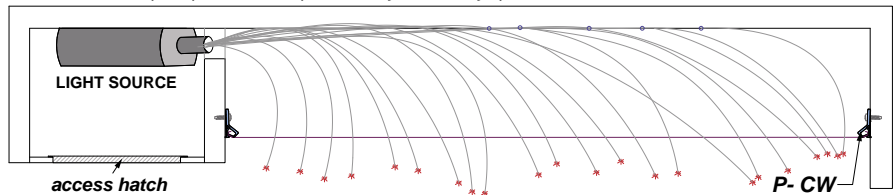


You may also choose to play with lighting effects. CLIPSO coverings are particularly suitable for use with this type of feature. Using these elements, you will be able to recreate the Milky Way, illuminate an urban scene or simply add a luminous touch to a covering.

Optic fibers

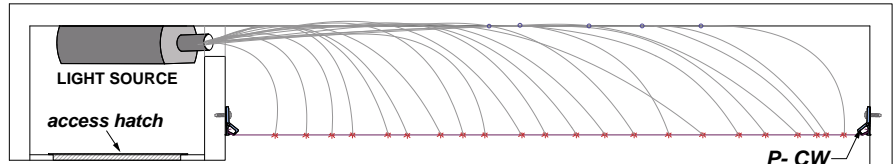
The integration of optic fibers in various forms (see page 20 of the Clipso 2013 price list) requires certain mandatory steps to be taken.

1. Create a separate access hatch to ensure that the housing remains accessible and ventilated at all times.
2. From the housing, select sets of around 10 strips each, which should be taped together and brought to the area you wish to illuminate.
3. Attach the sets to the surface (ceiling or wall) using suitable fixing methods for the surface type.
4. After the preparation phase, you may proceed to the installation of the



fabric following the steps described on page 14, making sure to note the changes to phase 2 outlined below. Use the strip to pierce the fabric at the required places. Let the remainder hang loose.

5. The other steps for installation of the fabric are identical to those



indicated on page 14.

6. Complete the operation by gluing the fibre, using a drop of cyanoacrylate glue applied directly to the fibre. Let the surplus run off so that the glue does not touch the fabric, and hold for a second. Cut preferably with a nail clipper to obtain a clean, precise cut and a perfect finish.

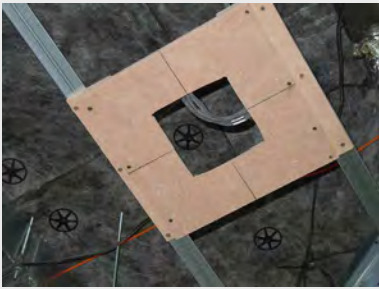


Incorporating inspection hatches



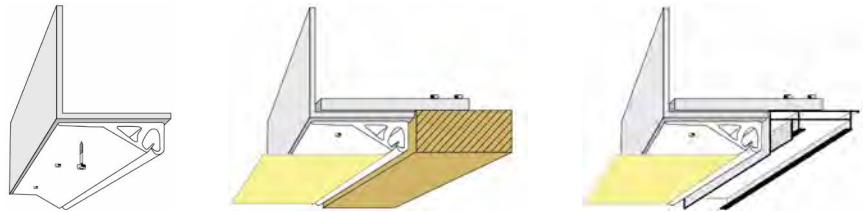
Installing inspection hatches for access to loft space or for any other use requires little installation.

To carry out this operation, use a standard technical hatch or a hatch created using metal profiles (of type CLIPSO P-CEP18) in the desired dimensions.



1. Preparation

Use battens to bring the inspection hatch to the level of the finished ceiling, less the thickness of the profile used, and then securely fix the P-CC profiles. Proceed in the same way as for spotlights (see worksheet no. 1).



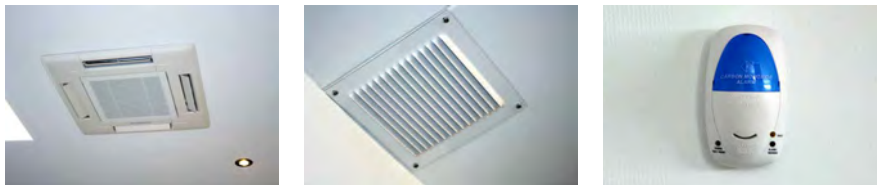
2. Finish

Cover the hatch with the CLIPSO covering of your choice, following the same principle as for ceilings and walls.

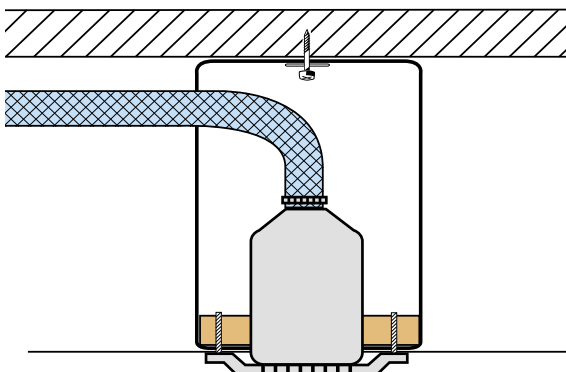


3. Installation of the hatch

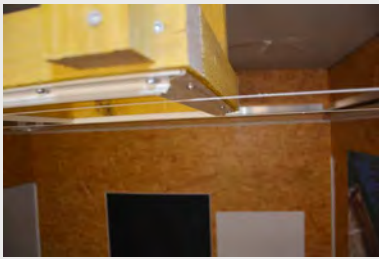
For the final positioning of the hatch and the stretching of the covering, proceed in the same way as spotlight holders. Once the entire ceiling has been stretched, find the location intended for the hatch, and cut a hole in the fabric, leaving enough margin (a few centimetres).



Regardless of the type of technical device – smoke detector, ventilation outlet, air conditioning, video system etc. – the installation procedure remains the same.



Incorporating access panel

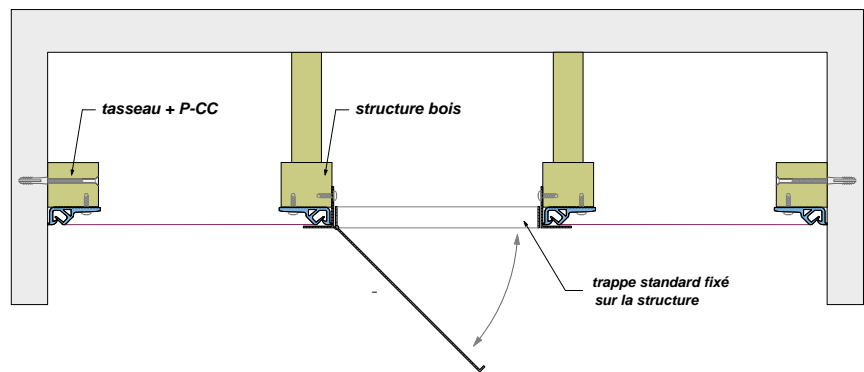


The ready-made access hatch is more advantageous than the hatch designed by your own means.

Advantages :

- Quick and easy installation
- Suitable for a wide range of materials
- Opening and closing by pushing
- Aesthetic finish (recessed system)
- Meets fire safety standards, RT2012
- Standardized format

TRAPPE STANDARD



1. Preparation

Preferably create a wooden sub-construction, respect the reservation in the format of the hatch, and then securely fix the PCC profile flush with the reservation.

2. Finish

Cover the hatch with the CLIPSO covering of your choice, following the same principle as for ceilings and walls.

3. Installation of the hatch

For the final positioning of the hatch and the stretching of the covering, proceed in the same way as spotlight holders. Once the entire ceiling has been stretched, find the location intended for the hatch, and cut a hole in the fabric, leaving enough margin (a few centimeters).

4. Fixation

Once the cut is made, fix the hatch to the wooden structure (with appropriate screws). Fixing must be done at the reserved places.

Internal and external corners

The installation of internal and external corners requires special care and attention.

Profiles and fabric must be cut carefully, methodically and precisely.

1. Cutting the profiles

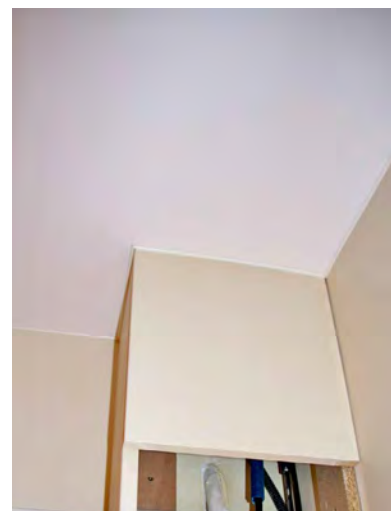
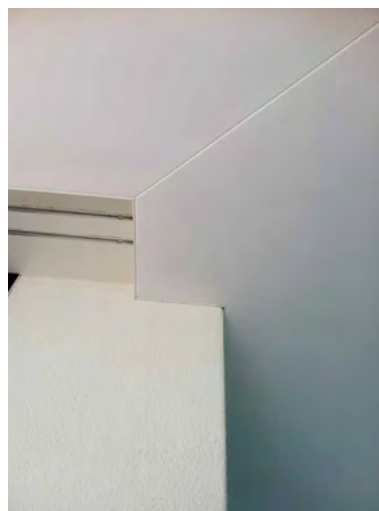
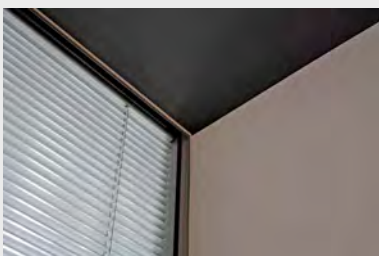
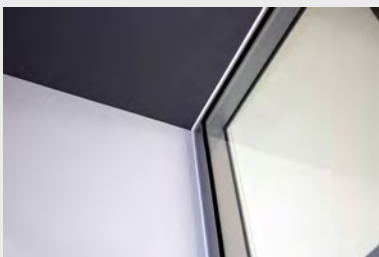
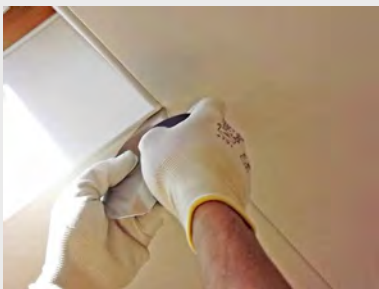
Mitre-cutting shears (ref. O-SLHU) are the ideal tool for cutting profiles, ensuring a perfect finish for internal and external corners.

A few simple, precise actions are required. They are displayed in the photos below.



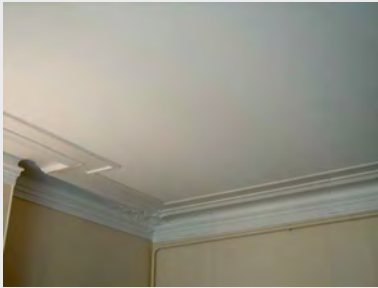
2. The 3 steps for installing a covering in corners are

- Locate the corner.
- Cut into the covering using a utility knife.
- Clip the covering using the putty knife.





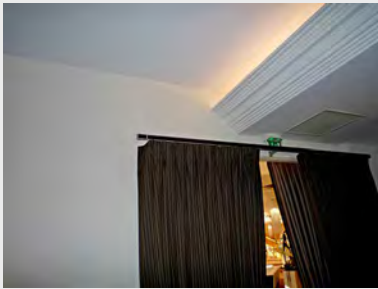
Cornices and rounded corners



Some older properties have special features which give them their character and which clients wish to retain.

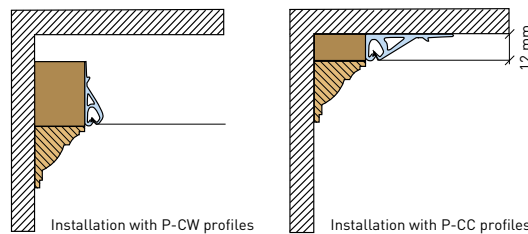
The CLIPSO concept allows you to install an innovative product without changing the appearance of the existing building.

Whether it involves cornices or walls with rounded corners, there is an installation solution available, details of which are given below, which will provide a perfect result.

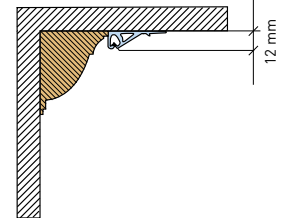


1. Ceilings with cornices

Cornices / covings integration

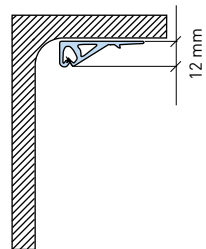


Installation of existing cornices / covings

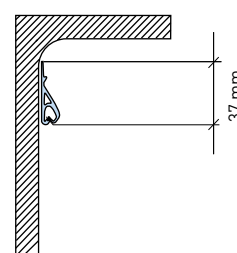


2. Ceilings with rounded corners

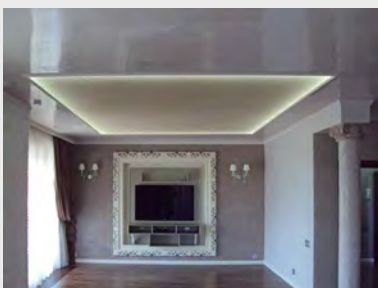
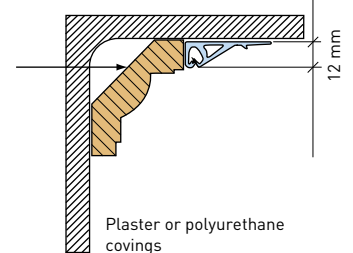
Installation with P-CC profiles



Installation with P-CW profiles



Plaster or polyurethane covings



Ceiling roses can also be conserved by applying the technique shown in worksheet no. 7.

Worksheet no. 8

Specific cases

Working around posts



To carry out this operation, two methods are possible, depending on the diameter of the object which is being worked around.

This operation always requires the use of a double join.

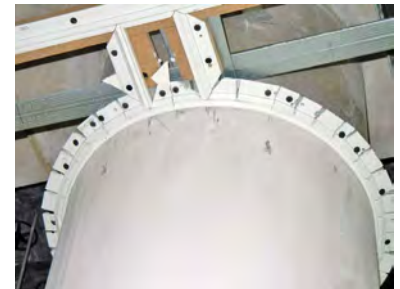
1. The spacer principle

This method creates a wooden structure around a post.
The spacer or structure in two parts surrounds the post to be worked around.
Using the required profiles requires a straight finish.



2. With P-CC profiles

- This method is suitable for posts or pipes with a diameter greater than 20 cm.
- It is carried out using two P-CC profiles which are cut (see below) to obtain two semicircles.
- Each semicircle is fitted around the post to closely match its shape. Proceed to install the fabric following the curved profiles.



The same method can be applied to ceiling roses.





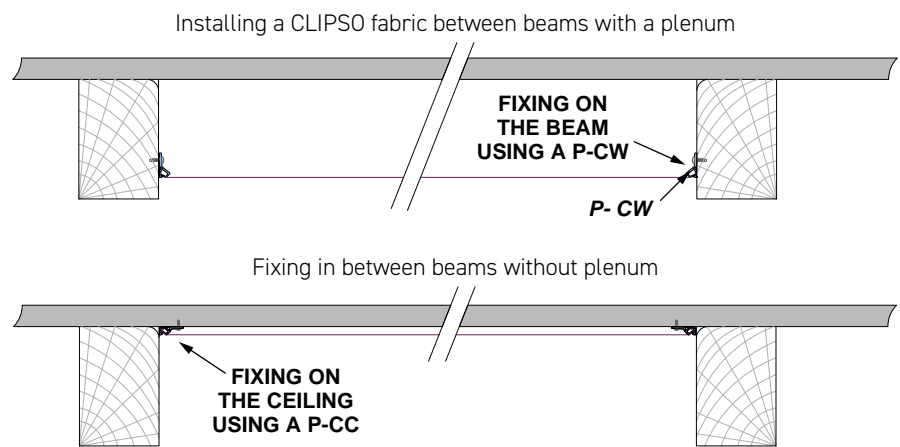
Installation between beams



Installation between beams is carried out using the P-CW or P-CC profiles.

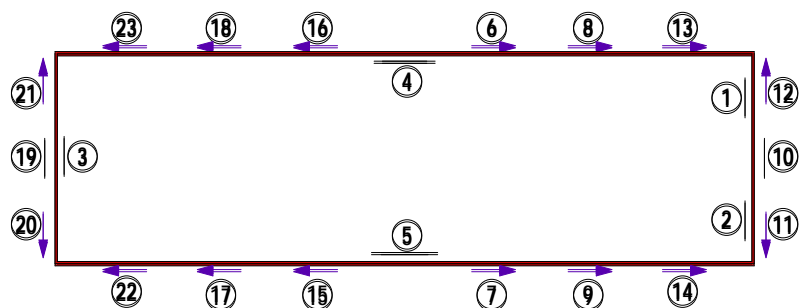
Proceed using the following method:

1. Fit profiles around the different surfaces between the beams.
2. Proceed to the installation of the covering as indicated on page 12.



CAUTION

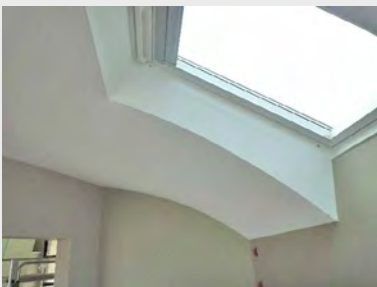
To optimise the stretching of the covering, proceed in a Z shape for this type of configuration.



Worksheet no. 10

Specific cases

Skylights

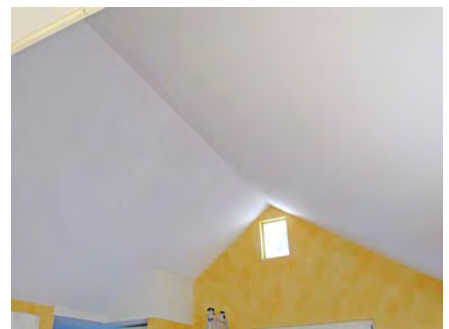


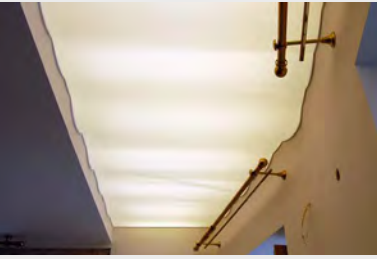
When installing coverings for skylights, profiles are to be cut in a specific way, and various steps are to be followed.

1. Profiles must be cut carefully from different angles depending on the type of skylight concerned.
2. They must then be attached using the same method as for door or window surrounds, making sure that the angles are properly aligned and neat.
3. The fabric is installed in various steps, and cut with a utility knife (ref. O-C20E).



For attic walls or sloping roofs, a double join is required. Proceed following the various steps described on page 16.





With the characteristics of the P-CC and P-CW profiles, combined with wooden or metal structures, complex and original shapes can be created, giving a distinctive effect to certain settings.

To easily create certain shapes:

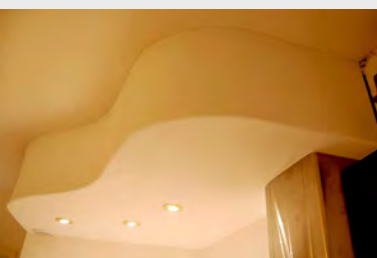
1. Prepare your structure made of wood or another material.
2. Cut into the P-CC or P-CW profiles, ensuring that you do not damage the part of the profile into which the fabric will be clipped.



3. Attach the profiles depending on the desired shape or effect.
4. Proceed to the installation of the covering, respecting the various detailed steps indicated on page 14.



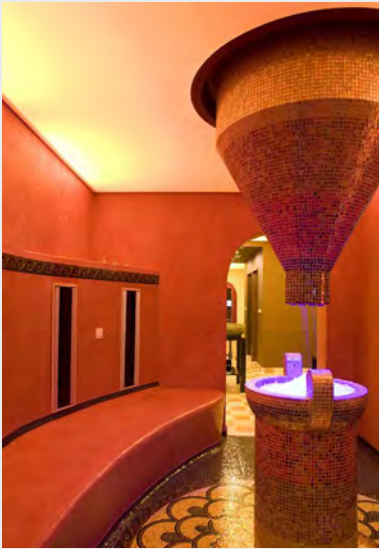
With angled cuts, you can also create geometric shapes or give a unique personality to a ceiling or wall.



CLIPSO has also developed a range of aluminium profiles, and offers made-to-measure creation of complex-shaped frames. Please send all requests to your sales representative.



Humid environments: swimming pools, spas



**CLIPSO has developed coverings that are specially adapted to swimming pools, spas and all types of humid environments.
705 AB - 705 NO STAIN - 705 NO SWEAT**

Please note that the whole range of CLIPSO coverings has been tested as part of the EC certification for chlorinated environments.

To install a CLIPSO wall or ceiling in this type of environment, the installation technique is very similar to the one used to install a standard ceiling or wall.

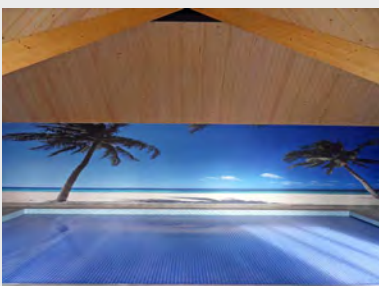
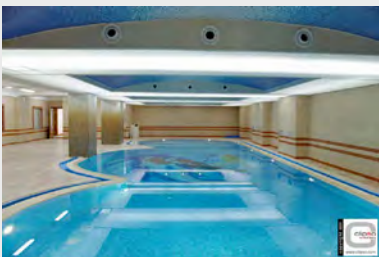
A few important parameters must be observed:

1. Before starting installation, make sure that the surface is clean.
2. Remember to use stainless steel/inox screws for fixing the profiles
3. Since technical devices are used in this type of environment, and due to the height of the ceilings, a ceiling ventilation system must be installed. Therefore, a sufficient quantity of air vents, with the appropriate flow rate, must be fitted in opposite corners of the room.

This kind of area – such as swimming pools, spas, and professional kitchens with extractor fans or powerful hoods – requires the installation of vents.

These technical devices create considerable negative pressure in the room.

Make sure that the ceiling is properly ventilated in order to avoid any pressure difference between the plenum space and the room (see page 17).



Specific cases

Treatment of hot areas



Hot rooms or areas which are subject to constant high temperatures (chimney surrounds, cooker hoods etc.) must be processed with specific profiles.

The P-C10 and P-C11 profiles are strongly recommended. These profiles are thicker and their dual-material composition means that they hold better and are more stable at high temperatures.

The installation and use of these profiles follows the same process as for the P-CC and P-CW profiles.



P-C10



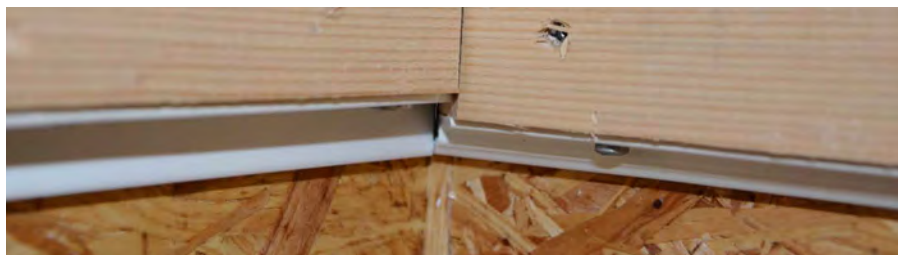
P-C11



CAUTION

When used in association with another profile in the same room, e.g. for a chimney surround, the difference in thickness must be taken into account.

To compensate for this small difference, please allow a 10mm thick spacer.



N.B.:

We remind you that CLIPSO profiles and coverings are not recommended for use inside Turkish baths or saunas.

Caution



The CLIPSO Technical Guide is solely for the use of CLIPSO approved fitters and partners.

This guide has been created using our know-how in the field of CLIPSO wall and ceiling installations, and its content is not exhaustive. The installation of CLIPSO products is the responsibility of the fitters and must comply with the conditions for execution, arrangement and intervention found in standards NF DTU 58.2 P1-1 & DTU 59.4.

CLIPSO does not accept any responsibility in the event that the installation conditions described in this guide are not observed.

To learn about the various creation possibilities, and to be able to install CLIPSO products in the best possible conditions, we recommend that you undertake the training provided by CLIPSO, which is recognised by the French state.

This guide may under no circumstances be used as a training tool for fitters of our products. Please contact us for further details of the training programme and costs.

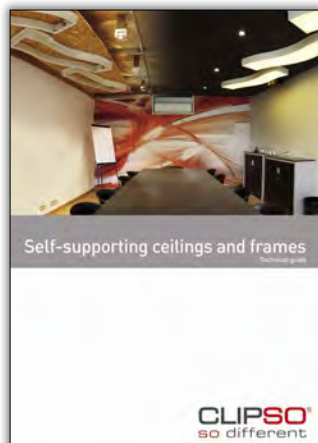
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You can also find the following documents in the CLIPSO Technical Guide collection:

The Technical Guide for
**Self-supporting ceilings
and frames**



The **DESIGN**
Technical Guide





Installing coverings and profiles Technical guide



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