

TP Lite

TP Lite full glass walls



YOUR VISION

can be realized

THE BEST DELIVERY TIMES

TP Lite full glass walls allow you to find new ways - new, alternative ways to solve your tasks, without compromising on materials or quality.

Our in-house production facilities and warehouse are located in Copenhagen, which enables us to offer delivery times of 1 to 3 weeks. This makes it easier for the installer to manage his project and reduces the risk of wasted resources. It also minimizes your costs.

COMPETITIVE PRICES

Our solutions are available at competitive prices – regardless of whether you choose standard or customized solutions. We offer these prices because we use our own highly efficient machines for the production process.

EASY INSTALLATION

The glass panels are built into a single U rail system at top and bottom and held in place using black rubber sealing strips which can be attached without special tools. The joints between the glass panels can be finished with Triplan's elegant clear silicone joint strips, grey acoustical tape or a liquid silicone jointing solution. These complete solutions make the job easy for the installer.

The light assembly also ensures a fast, efficient handover to your customer. It also enables you to keep your prices down and deliver a solution that works.

MEETS ALL ACOUSTIC AND FIREPROOFING REQUIREMENTS

The glass panels are available as tempered or laminated safety glass - in thicknesses from 8 to 15 mm. TP Lite enables you to meet acoustic requirements up to RW 39 dB. TP Lite glass firewalls meet the requirements for fire classification EI60 and sound classification RW 43 dB - still in a very elegant design.

*Triplan Norway, showroom.
TP Lite, black powder-coated.*



The glass walls meet the needs of many customers for delimited meeting areas where meetings can be held in privacy without compromising openness or obstructing views.



TP Lite is comprised of tried and tested solutions - in tests and practice alike. We have delivered TP Lite solutions to many companies in a variety of combinations, all of which live up to the individual acoustic requirements.

STANDARD AND CUSTOMIZED SOLUTIONS

There are many standard solutions to choose from – or you can select customised solutions to personalize your project. Because our in-house production facilities are located in Copenhagen, we can manage your special requests quite closely, providing you with the detail that makes your total solution stand out and be trailblazing.

If you need a cost-effective solution to be delivered within one week, you can choose from our extensive standard range in stock.

In addition to our in-stock range, we can offer customized solutions for virtually every product, ensuring you a unique solution. Production time is within three weeks.

FUTURE-PROOFED MODULAR SYSTEM

TP Lite full glass walls are based on a simple rail system with a single layer of glass divided into individual modules as specified. As the glass panels are available in heights up to 4.2 metres, in principle the only limit is the structural framework.

The walls can easily be extended by adding modules later on, thus future-proofing your solutions.

The U rail system is produced on one of the company's many roll forming machines and is available in three different standard heights. These can be combined as required.

COMPATIBILITY

We give high priority to having highly compatible product ranges, enabling you to define your own product combination. Your special solutions can be implemented using Triplan.

MANY combination possibilities



Full-height glass doors.



TP Lite sliding glass doors
(custom solution).

Glass walls can be combined with many different kinds of individually detailed doors, frames, hinges and locking mechanisms. Choose between standard solutions and fully customized solutions and with the exact door fittings to make your project unique.

DOORS AND FRAMES

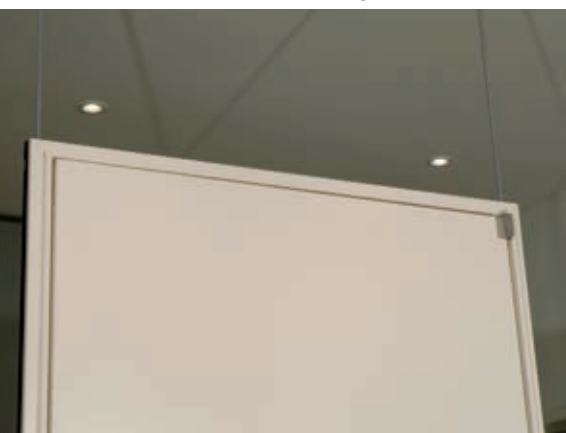
Virtually all types of doors can be built into the elegant glass surfaces, including:

- M9 x 21 or glass or solid doors in special heights with superjacent glass panels and our T-frame,
- pivot-hinged glass doors without frame with floor-level door closer,
- full-length glass or solid doors – with a variety of elegant steel frames to choose from,
- sliding glass doors.

The U rail systems, solid doors, frames and fittings for pivot-hinged doors and sliding doors are available in all RAL colours, as well as other surfaces such as stainless steel, brass, etc.

Fire-classified steel-framed glass doors can be offered for TP Lite glass firewalls - these are manufactured in Triplan's department for special products and have a superb finish.

Solid door with superjacent
glass panel in a T-frame.



Triplan's own pivot hinge.



Pivot-hinged glass door with
door closer.





Locking mechanism in solid door.

HINGES:

Triplan offers our stainless-steel pivot hinges (designed in-house) as a standard solution for doors with frames.

This also makes it possible to personalize the details. Tell us your ideas and we'll transform them into a solution.

LOCKING MECHANISMS:

Triplan KFV is designed for glass doors and provides a high-quality mechanical solution combined with an elegant design. It comes in brushed, stainless steel.

Same KFV locking mechanism can be used in solid doors, providing our clients with a high degree of flexibility as the same T-frame can be used for glass doors and solid doors.

We design and produce our own hinges and locking mechanisms – all of which are tested in our own workshop to ensure high quality at all times. Thus we ensure that the accessories fit our solutions down to the last door detail. This means complete compatibility among the various types of accessories and doors.

TRIPLAN KFV



Triplan KFV in brushed stainless steel.

Stainless steel Triplan hinge. Solid door.



Stainless steel Triplan hinge. Glass door.



Triplan hinge in stainless steel. Glass door.



ELEGANT finish



Joint along door frame.

JOINTS:

The glass panels can be assembled vertically using

- clear silicone tape – shaped according to the polished edges of the glass panel,
- grey, flexible acoustic tape,
- silicone seams (applied on site),
- fire-retardant seams or low moulding strips (EI30 and EI60).

For joints adjacent to other systems, you can select metal moulding or a silicone seam.

Joints along door frames can also be executed using metal moulding or silicone seams, depending on the type of door involved in the project.

Triplan's silicone seam.



T-joint using silicone seam.



End cap solution.





Example of decoration film.

SURFACES:

Glass

The large flat glass surfaces also allow end-users to decorate the glass walls with decorative film in colours or patterns.

Sandblasted glass or silkscreen surfaces are also available in many beautiful designs.

Glass is also available in etched and tinted shades - e.g. smoke-coloured. The sky is the limit.

Metal moulding

The exposed steel moulding is available in RAL colours (powder coating) as desired or stainless steel.

Other surfaces and surface treatment, including chromium, brass and imitation gold are also available. These are often used for restoration tasks.



Example of silkscreen finish.

STAINLESS STEEL

TP Lite Inox

TP LITE INOX

Triplan is unique in offering full glass walls with exposed metal moulding in genuine, acid-resistant, brushed, stainless steel. All fittings and profiles are available with the exact same stainless steel surface structure. We call the system TP Lite Inox.



Welded stainless steel door frame with access control, door closer and electric lock.





Timber wholesaler, Oslo, Norway, 2009. TP Lite Inox.

PRODUCT

details

WALL TYPES

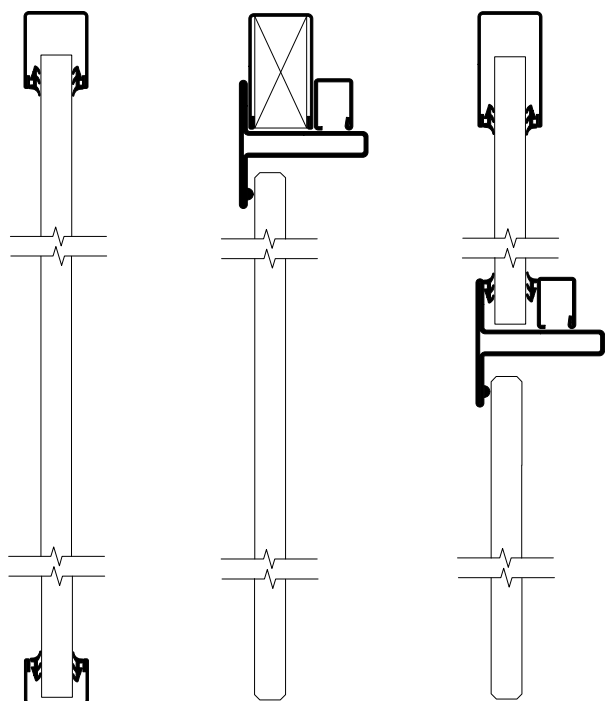
TP Lite is available in different sound classifications. The product is thoroughly tested for its acoustic performance and documented at the laboratory of Delta Acoustic in Denmark. TP Lite therefore meets all requirements. Choose from:

SOUND CLASSIFICATIONS

TP Lite Fullglass	Sound absorption
Hardened float, 10 mm	RW 34 dB
Hardened float, 12 mm	RW 36 dB
Hardened float, 15 mm	RW 37 dB
Laminated float, 10.38 mm	RW 36 dB
Laminated float, 12.76 mm	RW 37 dB
Laminated sound glass, 10.38 mm	RW 38 dB
Laminated sound glass, 12.76 mm	RW 39 dB

PROFILES

The profiles are available in 18, 30 and 45 mm. See more technical details on www.triplan.net.



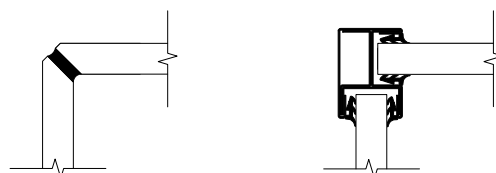
Glass wall, vertical cross-section.

Full-height door, vertical cross-section.

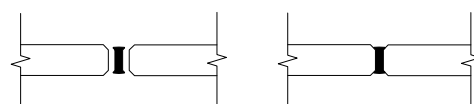
Door with superjacent glass panel, vertical cross-section.

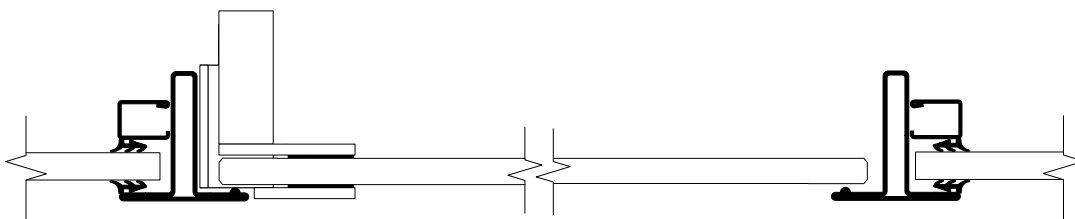


CORNER SOLUTIONS

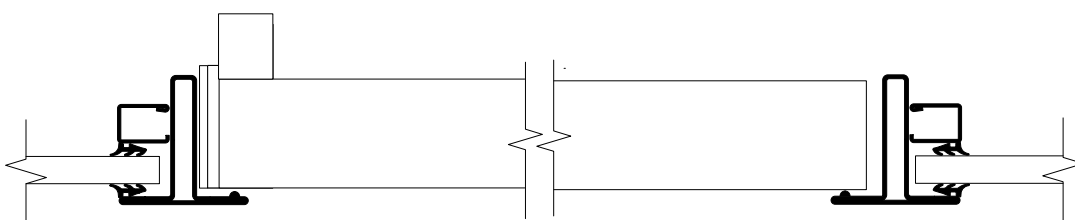


JOINTS





TP Lite T-frame with glass door.



TP Lite T-frame with solid door.

FIRE

Product details

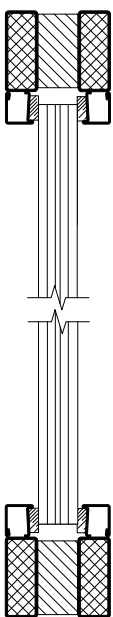
WALL TYPES

For the TP Lite fire-classification system, we use steel moulding from Forster AG for doors and glass walls. Glass from Vetrotech type EI30/EI60.

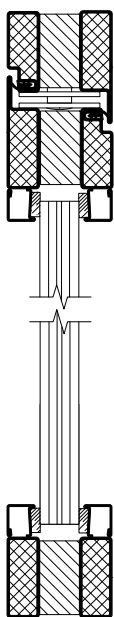
FIRE CLASSIFICATIONS

TP Lite Fire	Sound absorption	Fire classification
23 mm CFS	Rw 42 dB	EI30
28 mm CFS	Rw 43 dB	EI60

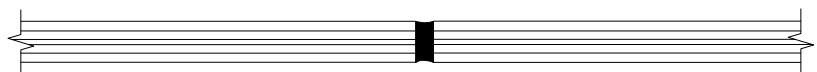
EI 60 FULL GLASS WALL



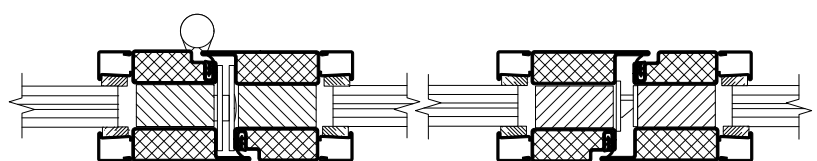
Glass wall, vertical cross-section.



Door, vertical cross-section.



Joint, horizontal cross-section.



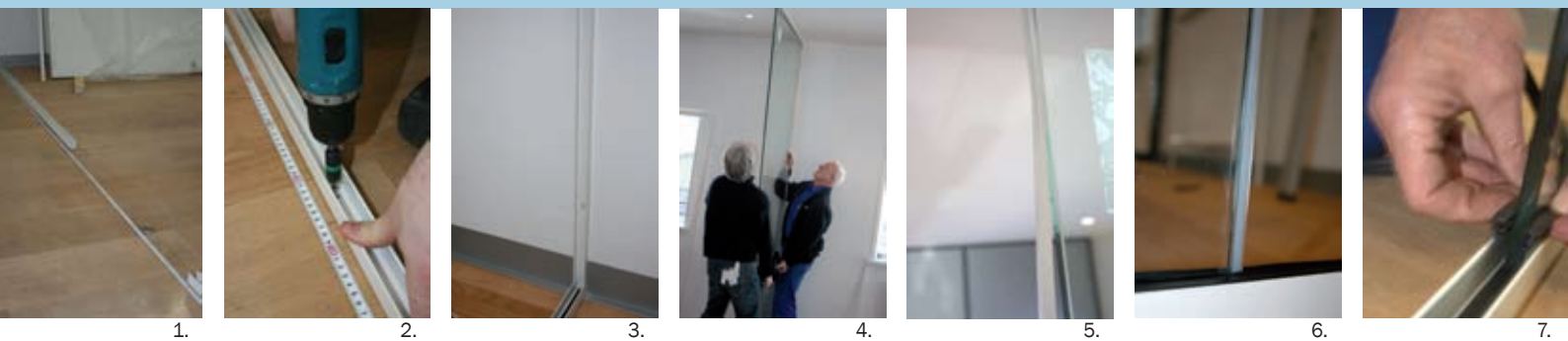
Door, horizontal cross-section.



TP Lite full glass firewall E160.

INSTALLATION

instructions



1. Measure the opening and cut the floor rail (18 or 30 mm in height) to the appropriate length according to the drawing and details – allow space for the door-frame opening, corners and abutments (18, 30 or 45 mm). Top rail (30 or 45 mm). Note that the highest of the available rails is always used at the top and that it must be higher than the floor rail. For full-height doors where the T-frame continues to the ceiling, the top rail must be continuous. It is not necessary to mitre rails at corners, as they will be covered by clip-on corner caps afterwards.
2. Attach rails to the floor, ceiling and adjacent walls using flat-headed screws apx. M4.2. The type of screw depends on the material to which the rail is attached.
3. Nylon blocks are inserted in the bottom rail to ensure the correct height of the glass and to protect the glass edges.
4. The glass panel is installed by lifting it into the upper rail and then lifting into the floor rail to rest on the nylon blocks. Then the glass is pushed sideways against the adjacent wall or metal rail.
5. After the first glass panel is correctly level and plumb, attach the silicone seam to the vertical edge of the glass and then slide the next glass panel into place.
6. Close-up of the fitted silicone seam.
7. Once all glass panels have been positioned properly, insert the black rubber sealing strips horizontally between the profile and glass at top and base. It is important that the rubber sealing strips are mounted on both sides of the glass panel at the same time. If necessary, use soapy water to ease the attachment of the sealing strips.
8. Before installing the T-door frame, verify that the opening between the glass panels complies with the drawings. Push the T-frame into place so the bottom rails are inserted between the T-frame sections and covered by the U-shaped click-on steel moulding enclosed with the delivery. Click these sections of U-shaped moulding onto the steel frame, and the frame will be held in place by the adjacent glass. Insert the black rubber sealing strips between the glass panel and steel frame. Note that these rubber sealing strips need to be thicker than those between the rails and glass panels. Use the same installation procedure for installing a superjacent glass panel as that used for the regular full length glass panels. For full-height doors, run the upper rail between the edge of the T-frame and the U-shaped moulding sections.
9. Close-up of a correctly positioned T-frame prior to the fitting of rubber sealing strips and superjacent glass panel.
10. 90-degree corner before attaching the clip-on cap.
11. Finish the corner by attaching the clip-on cap.
12. Fit the ends of sections with a cap.
13. Solid door held by Triplan design hinges.
14. Completed installation of a TP Lite glass wall with solid door in T-frame.



8.



9.



10.



11.



12.



13.



14.



TP Lite glass wall with solid door in T-frame.

CONTACT

Us

Contact us to learn more about how we can help you with your project. Or visit us to see our showroom. Here we present a wide variety of options in different materials and designs - walls, doors, frames and joints. Then we can design your solution according to your ideas.

You can also request us to send a simple electronic ordering tool via email. We have made it easy for you to work with glass walls.

www.triplan.net

Triplan produces wall systems for furnishing offices in glass, steel, gypsum and veneer. We have an in-house production process at our headquarters in Ishøj, Denmark. This enables us to keep close tabs on the production process in cooperation with our customers. It also enables us to develop the customized co-operation solutions requested by our customers.

Triplan is Danish-owned and operates in over 40 countries - including Denmark, Norway, Germany, the UK, Spain, Poland and China.

