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Frameless Shower Enclosure Fitting details

These are NOT step-by-step instructions they are a generic guide & suitable for use with single or double sided enclosures as bespoke designs will vary.

Basic skills & tool kit are required

Never tackle a job if you feel unsure

Beware the glass is heavy & fragile

Always check glass is correct to the glass schedule prior to fitting

Basic Rules for handling Toughened glass include **NEVER** stand glass on to an unprotected surface. We recommend either clean timber packers or plastic isolation packers.

The glass will shatter if stood on to a hard surface typically concrete.

The following instructions are intended for Spiral Hardware products and as a reference for Bespoke Enclosures.

This guide covers the fitting of a Single screen or Side panel, Door to a wall and a 90 degree Jamb panel from the side screen.

These are not step-by-step instructions they are a generic guide & suitable for use with single or double sided enclosures as bespoke designs will vary

The glass will shatter if stood on to a hard surface typically concrete. Even the smallest flint can point load the glass & cause failure. Do not strike the edges or pry this will cause failure. All fittings are to be protected from the glass edges using the supplied isolators, ensure you have enough in place so the clamping screws do not bottom out in the barrel before their full force is applied or the panel will sag over time.

TOUGHENED GLASS CANNOT BE ALTERED!

Once cut, processed and toughened glass cannot be cut / planed / sanded or drilled etc. **IT WILL SHATTER!**

Before commencing installation please ensure you have:

- Safety glasses and gloves while handling the panels
- Drill with masonry drill bits, correct diameters to suit fittings
- Glazing paddle / glass suckers for positioning panels
- Spirit Level
- Screwdriver with pozi-drive bit
- Allen keys various sizes
- Pencil, Masking Tape
- Hacksaw for cutting channel if required
- Tape Measure
- Alternative fixings for substrate if required
- Plastic glazing packers and high modulus bathroom sealant
- SHARP Stanley knife or equivalent and ideally gasket shears

View of an installed stock two sided enclosure, bespoke designs will vary.



Side Panel / Single Screen

Preliminary requirements

The tray should be installed firm & level in both directions, the glass will be fixed to the tray so make sure it is secure, the glass is heavy.

Remove the glass from its shipping box, the lid will make a good landing pad for the glass as mentioned earlier do not stand glass directly on to a hard surface.

Attach the wall brackets to the glass & gently tighten so they sit in the correct orientation, keep as central as possible in the hole to allow for maximum adjustment at a later stage. Attach the floor bracket to the bottom of the glass make sure the bracket is not too tight at this stage as it will be removed during the following steps.

Place 6mm packing on the tray; make sure the bottom bracket does not sit on the packing it should be just touching the tray when the glass is offered up.

Move the glass toward the fixing wall, using a spirit level make sure the glass face is perfectly plumb. Mark the bracket hole positions through the brackets. Whilst still in the same position draw the foot print of the floor bracket.

Remove the glass & brackets from the tray, drill the wall & insert plastic plugs ready to receive the screw fixings. Remove the bottom bracket from the glass, sit it on the foot print drawn on the tray earlier & mark the fixing hole. Drill & plug the hole, apply silicone to the base of the bracket & plastic plug, screw the bracket down to the tray, be careful to only tighten this gently over tightening will damage the tray & serves no purpose, this bracket will provide lateral restraint only.

Place a 1mm packer on the floor bracket, now lift the glass back in to position standing it on the 6mm packers as before. The glass is manufactured square so any discrepancy in the building work will be seen at the wall. Using a spirit level on the outside edge of the glass make sure it is plumb, any discrepancy here indicates the tray is not level. The glass must be installed plumb as the adjoining panels will also be square & have no adjustment if the gaps are to be kept even.

Slacken slightly the wall to glass fitting brackets then secure the bracket firmly to the wall followed by tightening the glass clamping screws top & bottom. Then fit the bottom side plate fixing & tighten.

The tie bar can now be positioned & secured ensuring the glass is plumb in both planes. The wall fixing is concealed within the tube/sleeve.

The Door Panel

Preliminary requirements

The tray should be installed firm & level in both directions.

Remove the glass from its shipping box, the lid will make a good landing pad for the glass as mentioned earlier do not stand glass directly on to a hard surface.

Attach hinges to the glass & gently tighten so they sit in the correct orientation, keep as central as possible in the hole to allow for maximum adjustment at a later stage.

IMPORTANT: use all supplied gaskets up to 10mm glass.

Lay 6mm/12mm packing to the top of the tray where the door will sit (for 12mm tape 2No. 6mm together).

Sit the glass on to the packers make sure the door is sitting upright by using a spirit level on the face of the glass once achieved mark through the hinges to identify where to drill.

Remove the glass out of the way & carefully drill the holes. **BEWARE** the door is heavy & will require a very secure fixing surface, we do not advise fixing in to plaster board, **it is the fitters responsibility to ensure the fixing point is suitable to carry the weight.**

Once drilling is complete insert plastic plugs then present the door with hinges still attached in to the opening, sit back on top of original packers to ensure alignment is maintained, fasten the screws completely in to the wall, then tighten the glass clamping screws firmly on to the glass, open the door & remove the temporary packers.

The Jamb Panel (2+ Sided layouts only)

(Inline enclosures use single screen)

Preliminary requirements

The tray should be installed firm & level in both directions.

Remove the glass from its shipping box, the lid will make a good landing pad for the glass as mentioned earlier do not stand glass directly on to a hard surface.

With the side panel already secured in place the jamb panel can be fitted, the panel is retained by two glass to glass brackets & one floor to glass bracket.

Attach the glass to glass brackets to the side panel (leave the clamping plates off the jamb panel face for now).

Attach the glass to floor bracket to the jamb panel & offer the panel up to the side panel, making sure 6mm packers are in place on the tray lip to determine the fitting height. The glass should sit level & the top match the side panel any adjustment needs to be carried out then secure the panel with the two remaining clamping plates. Mark the position of the bottom bracket once the panel is correctly aligned.

Remove the panel & using the bottom bracket as a guide sit back on the tray where previously marked & drill through. Insert plastic plug & apply silicone sealer to the plug, bottom of the bracket & retaining screw.

Screw the bracket in place, do not over tighten the retaining screw this bracket provides lateral restraint, over tightening could result in damage to the tray. Re-fit the panel & secure the clamping plates.

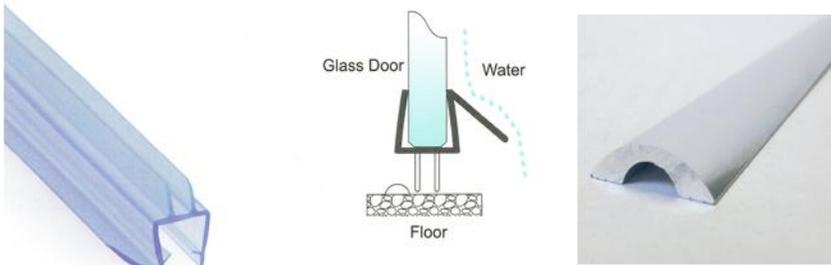
Sealing

Fixed Panels – Silicone: **The seals are for use on doors only!**

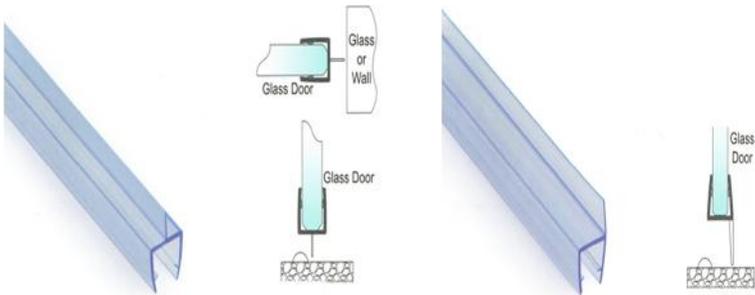
The fixed panels are sealed with clear silicone sealant the surfaces need to be clean & dry. The sealant is applied to the vertical & horizontal surfaces then tooled to produce a perfect finish. Allow the silicone to cure before using the shower; the silicone tube will have the drying time stated.

Door : - It is a good idea to practice cutting the seals on any off-cuts supplied.

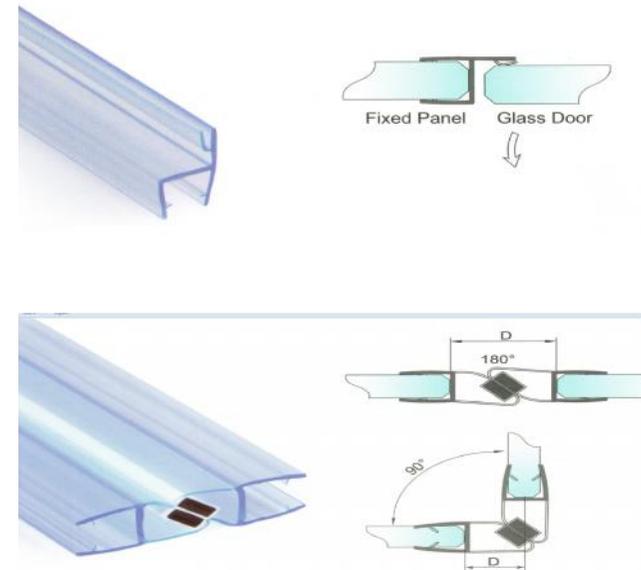
Seals can be pulled off the glass to take up width discrepancies.
Bottom seal has two fins & a deflector see detail below, maybe used with threshold



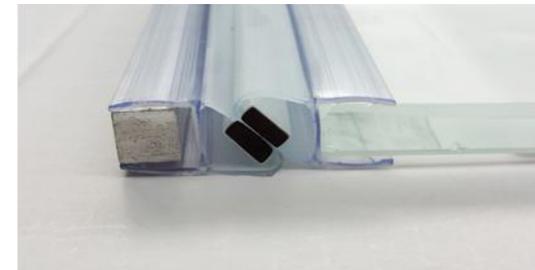
The hinge side has a flexible fin see below which is central or angled, jamb side to a wall has central fin if it is to move in both directions.



The jamb side has a rigid backing for the flexible fin to prevent the door from moving in both directions or we use the magnetic seal which has half on each panel



Seal wall attachment if using the magnetic seal against a wall needs to be drilled and screwed to wall then seal can slide on, it helps to run a bead of silicone behind it.



Care & Maintenance

The glass is to be cleaned using only non-abrasive cleaners, sprays & foam cleaners are recommended or the use of a detergent to release soap deposits, warm water is to be used to rinse off after cleaning. The glass will keep its finish if wiped down after each use, a window cleaning blade is ideal for this as it removes all remaining water.

The hardware is either stainless steel or chrome / satin nickel plated brass depending on model. Never use caustic products for cleaning as it will tarnish & spoil the original finish. Should these items become contaminated use chrome cleaner on a soft cloth to restore the original shine. Abrasive cleaners should be avoided as these will spoil the finish.

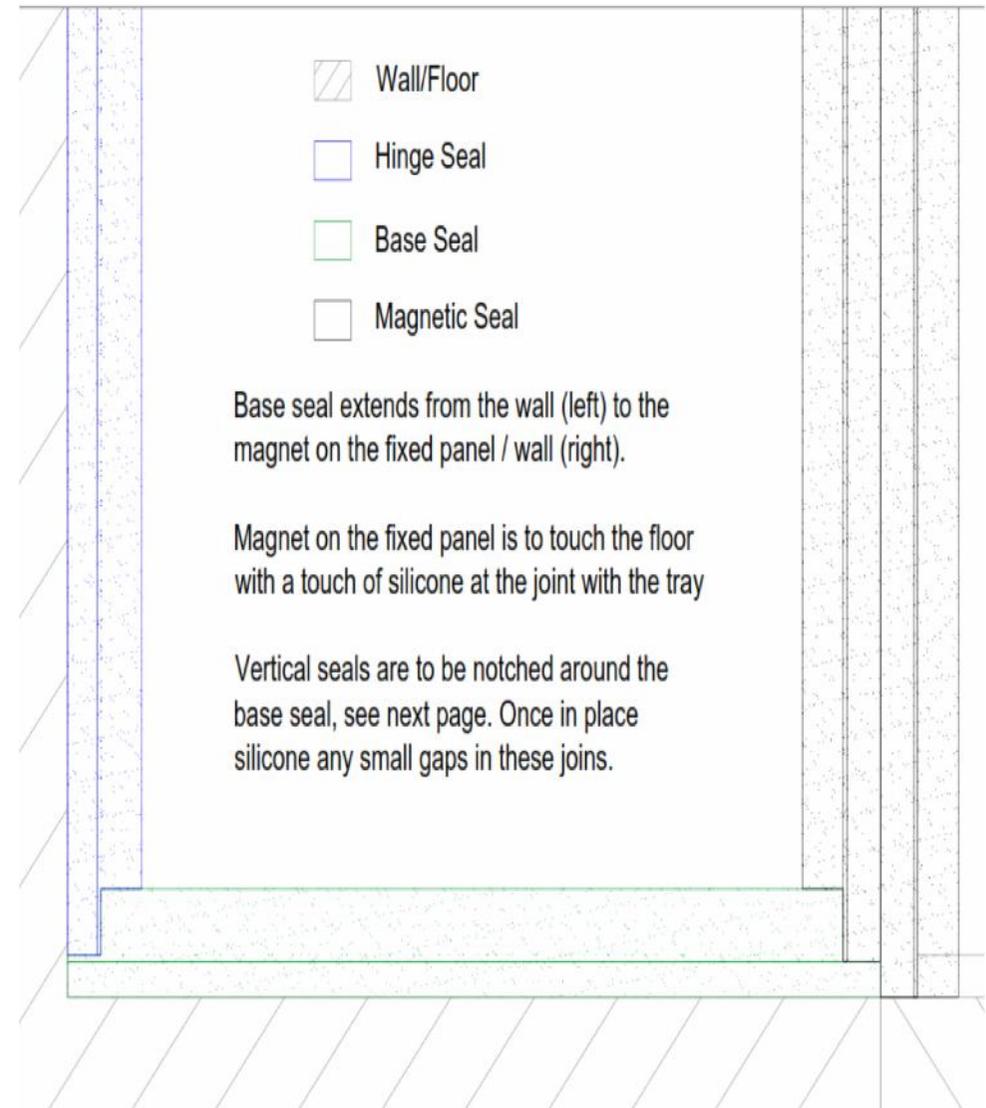
The seals may in time become discoloured or damaged. These are replaceable items & can be replaced by pulling them free from the glass. Replacements are readily available for purchase from our website www.spiralhardware.co.uk

As previously mentioned toughened glass cannot be planed, cut or drilled etc and with any attempt **IT WILL SHATTER!!!!**

Should you hang anything from door knobs / pull handles / tie-bars etc beware of any hard and sharp objects such as belt buckles, loose change, keys etc that could swing into the glass edges causing the glass to chip or even smash.

Do **NOT** allow children to swing on doors or tie-bars. Please retain all supplied Allen keys etc and periodically check / tighten bracket and hinge clamping screws.

Ensure no part of the glass is in contact with a hard surface once installed; glass will expand and contract with alternating room temperatures and exposure to direct sunlight which may cause **exploding** with excess pressure on glass edges.



 Hinge Seal

 Base Seal

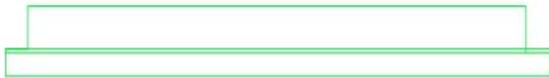
 Magnetic Seal

Vertical Seals

Rigid 'U' channel sides are to be notched out around the sides of the rigid 'U' channel part of the base seal. Hard base of 'U' with flexible fin/magnet attached extends down to meet the protruding part of the base seal.

Base Seal

Rigid 'U' channel is cut to finish at the edges of the glass with the flexible fins and the rigid base of the 'U' extending to the wall and magnet each end.



Plan View Base Seal

Magnet end of base seal is to be cut at the same angle as the magnet it will meet