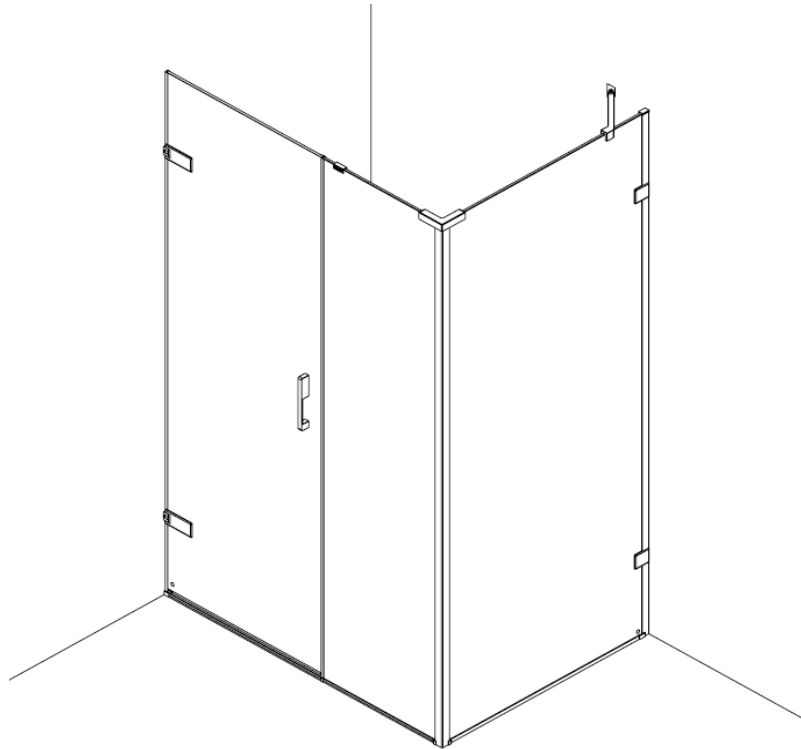


Hinge Door, One Inline Panel & Side Panel KL1HDR + KL1HR + KHR / TL1HDR + TL1HR + THR



Handling

Be aware toughened glass can shatter if not handled correctly. It should not be subjected to any sharp impact and it is essential to protect the glass by resting it on a soft protective surface during installation such as cardboard or carpeting. It is recommended to wear PPE at all times during installation.



Pre-Installation Checks

1. Please take time to read these instructions prior to installing your product, including the Tray Sizes section below.
2. Check you have the correct product, by looking at the labels on the side of the product packaging.
3. Check all the product components and fixing kits are in the box - [these are listed on the next page](#).
4. Please check the product for defects or damage, once the installation has commenced we cannot accept responsibility for any defects or damage.
5. Before you commence any drilling check there are no hidden electrical cables and/or water pipes.
6. No attempt should be made to re-work the toughened safety glass.
7. The installation of the product should be performed by two persons.
8. It is strongly recommended the product is fitted on a tiled surface or similar waterproof surface - which are tiled and grouted before product is installed.
9. It is strongly recommended that the walls the product is going to be installed on are vertical, and the floor/tray is level.
10. Pictures used are for illustration purposes only, product designs may alter slightly as a result of continuing product development.
11. We do not stipulate where the European Standard Kite Mark should be positioned on the glass when being factory assembled.
12. Please note that some natural misting may occur when you remove this product from its packaging, due to the addition of the glass protection pre-coating. If this does occur this can easily be removed with a soft, dry cloth.

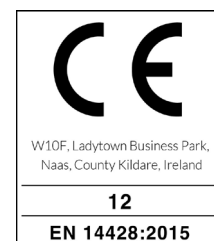
Tray Sizes

Important: You MUST measure your tray before you proceed with installation. Liberty Corner Products have been designed to fit on standard Roman trays which have only been tiled over by 15mm at a maximum, If your tray exceeds this given value, you may need a bespoke product. The 'Adjustment' displayed in the brochure or on your bespoke customer drawing is not the required tray size - your tray must be at least 15mm larger than the MID Adjustment of the product.

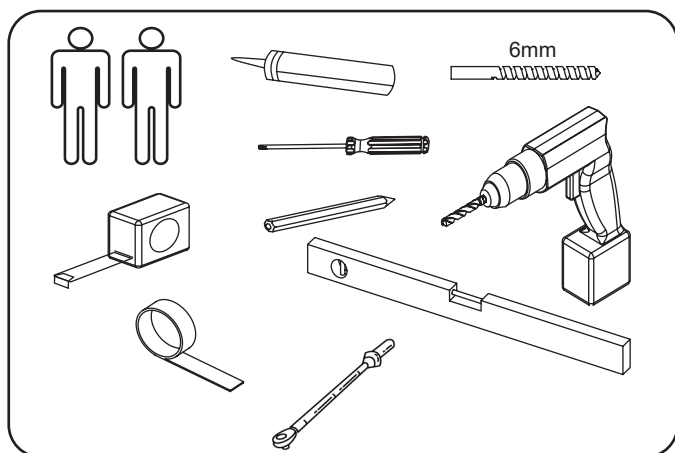
Refer to Step 1 for a guide on how to measure your tray accurately before proceeding any further - Roman will not be liable if you begin installation without correctly measuring your tray, to the realisation it doesn't fit.

Consumer Guarantee

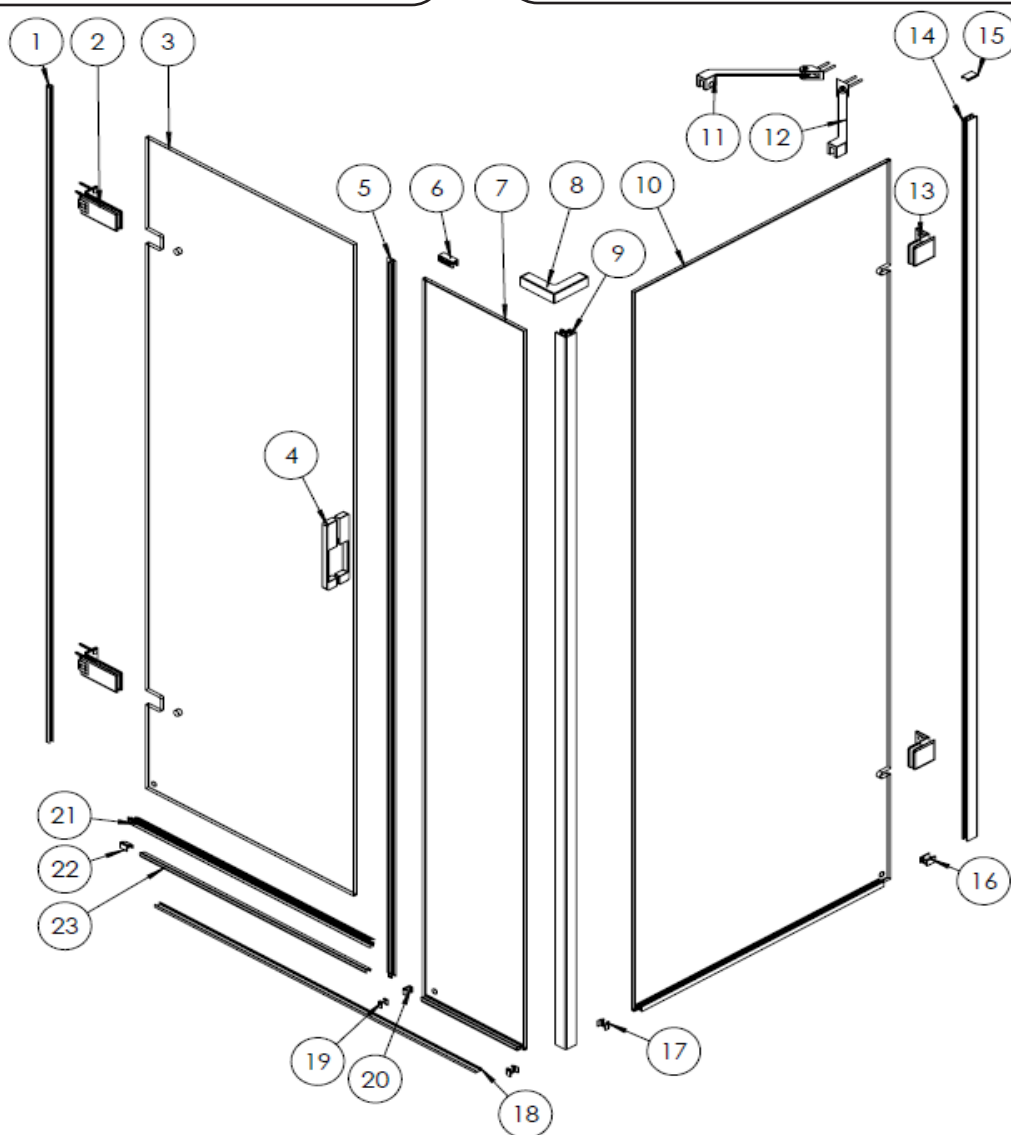
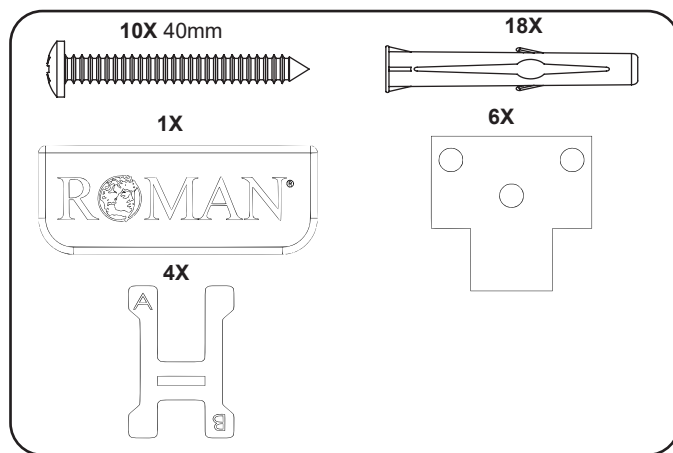
Please make sure the purchaser/end user completes and returns the guarantee card which is enclosed with this product. Failure to validate the Guarantee will mean only the 1 Year Statutory Guarantee will apply.



Equipment Checklist: Not Supplied



Fixing Kit Components



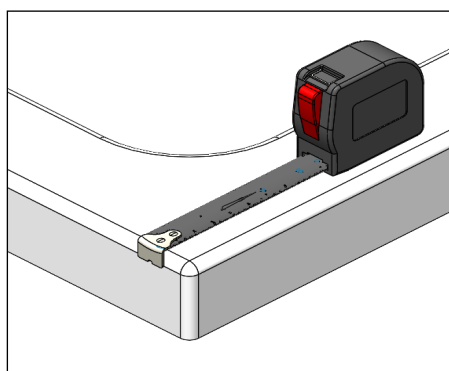
No.	Description	Qty.	No.	Description	Qty.	No.	Description	Qty.
1	Bubble Seal	1	11	LH Bracing Assembly	1	21	Door Seal	1
2	Hinge Assemblies	2	12	RH Bracing Assembly	1	22	Dam to Wall Joint	1
3	Door Glass	1	13	Wall Brackets	2	23	Door Bottom Rail	1
4	Door Handle	1	14	Wall Profile	1			
5	Vertical Panel Seal	1	15	Top Cap	1			
6	Branding Badge	1	16	Profile to Dam Joint	1			
7	Plain Panel Assembly	1	17	Corner to Dan Joint	2			
8	Corner Bracket	1	18	Bottom Rail	1			
9	Corner Post	1	19	LH Blanking End	1			
10	Side Panel Assembly	1	20	RH Blanking End	1			

Step 1 - Tray Sizes

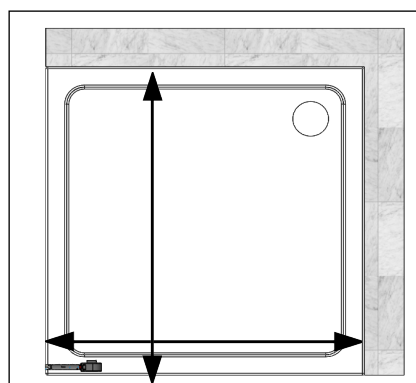
Your area must be tiled and grouted before measuring your tray - refer to your tray installation instructions and ensure this is done correctly. This is because tray measurements are taken from the tiled wall. Once tray installation is complete you can proceed to measuring the area. Liberty Products have been designed to fit on trays which have been tiled over by 15mm **maximum** (product will still fit if it has been tiled less than this). The tables below show the range of tray widths which will allow for correct fitment - this is for standard products only. For Bespoke products please refer to your customer drawing for the MID Adjustment of the Door + Inline / Side Panel, and add 15mm for your required/ minimum tray width.

Inline Panel Code	Tray Width
KL1HR10 / TL1HR10	985mm - 1000mm
KL1HR12 / TL1HR12	1185mm - 1200mm
KL1HR14 / TL1HR14	1385mm - 1400mm
KL1HR16 / TL1HR16	1585mm - 1600mm

Side Panel Code	Tray Width
KHR8/ THR8	785mm - 800mm
KHR9/ THR9	885mm - 900mm



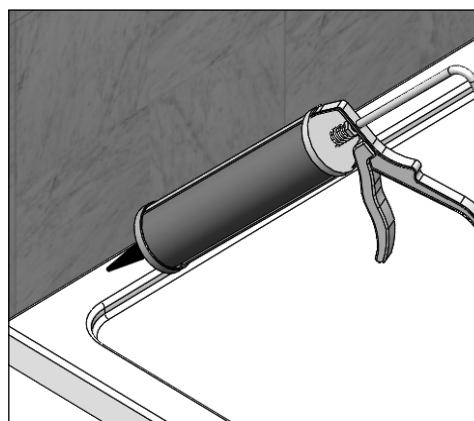
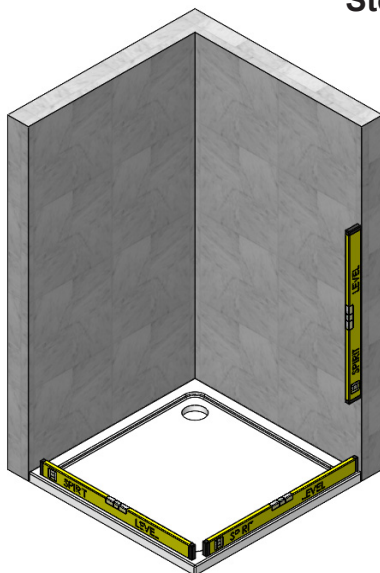
Measure from the very outside of the tray - before the radius. Go all the way to the tiled wall.



Decide which side the Door will go, and which side the Side Panel will go. Use the table above and measure both sides of the tray.

If your tray exceeds the given amount for your product size, you may need a bespoke product.

Step 2 - Pre-Installation Checks

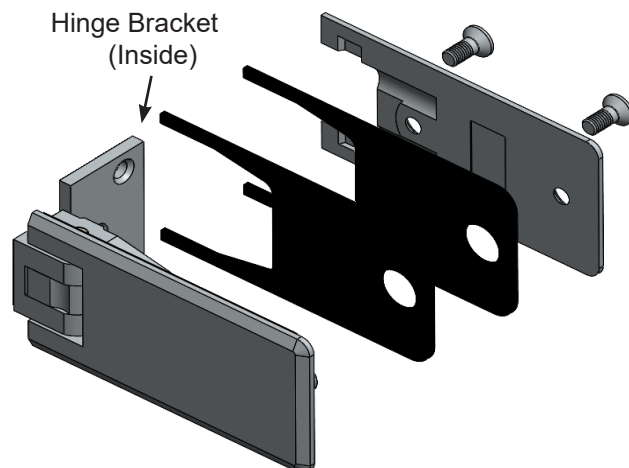
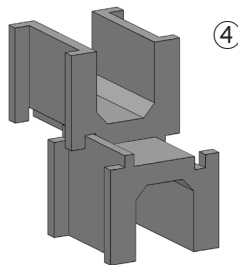
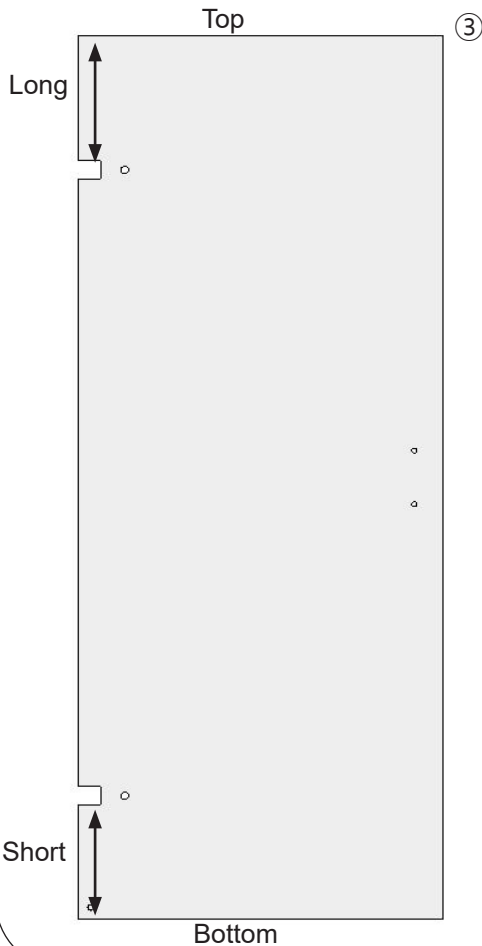
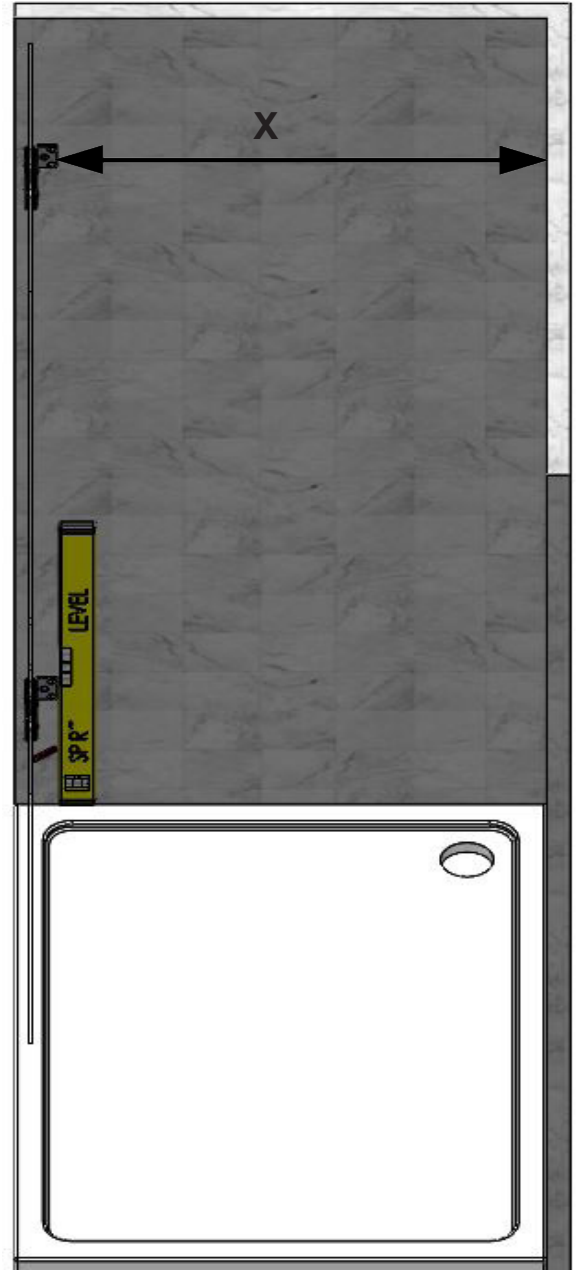


1. Make sure the tray is installed as per the manufacturer's instructions.
2. Check your Tray and Walls are level on all sides (the bubble on the spirit level must be in the centre of the 2 lines).
 - If the Walls & Tray are not level you will not achieve the +/- 7mm of adjustment.
3. Stand in the tray and check that there is no adverse movement (correct if necessary).
4. The walls should be tiled and grouted up to the tray.
5. The tiles and the tray should be sealed using a good quality bathroom sealant:
 - Spray the seal and joints with the shower head and check for leaks when the silicon has cured.
 - Check the plumbing for leaks.
 - DO NOT plasterboard over the tray.
 - DO NOT grout the tiles when the enclosure has been fitted, the grout may discolour the aluminium profiles.

Step 3 - Door Hinge Position

IMPORTANT: The table below is for standard products only. If you have purchased a bespoke product, measure the width of the Side Panel Glass, and for an 8mm Product, reduce it by 22mm, and for a 10mm Product, reduce it by 17mm for Dimension 'X'.

1. For the Door, find your correct 'X' distance using the table below/text above, and measure from the opposite Wall using a tape measure, and mark the wall using a pencil.
2. Place a Spirit Level onto the pencil mark and add a pencil line fully up the wall.
 - **Placing some masking tape where the Hinges will go will help with marking out and protect the tiles when drilling.**
 - **Use the Spirit Level and ensure the pencil line is completely vertical.**
3. Make sure you have the Door Glass the correct way then carefully dismantle the Door Hinge Assemblies and fit to the glass ensuring all gaskets are fitted.
 - **IMPORTANT: If you have purchased an 8mm product use TWO gaskets either side of the glass (one thick and one thin), if you have purchased a 10mm product use ONE thicker gasket either side of the glass.**
 - **IMPORTANT: If you have purchased a product with a print, please ensure you fit the print on the outside.**
4. Take the Red Door Setting Blocks and slide them together to create 2 small assemblies. Position them on the tray where the Door is going to go.
5. Lift the Door assembly onto the Red Setting Blocks and up to the wall.
6. Line the inside of the Hinge Bracket onto the pencil line ensuring it is kept completely vertical.
7. Mark the wall through the holes in the Hinge Bracket.
8. Remove the Door Assembly then drill the wall with a 6mm masonry drill (not supplied). Remove the Masking Tape and fit the Wall Plugs and remove any debris.
9. Carefully remove the Hinge Assemblies from the Door Glass.
 - **IMPORTANT: We recommend that 2 people do the operations as shown above.**



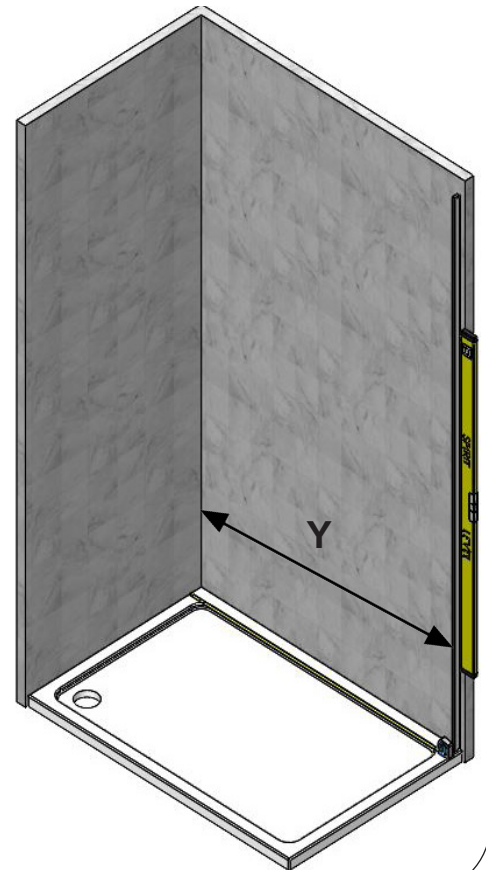
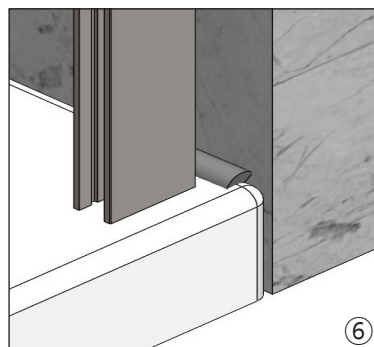
To Suit Side Panel	Dimension 'X'
KHR8	718
THR8	720
KHR9	818
THR9	820

Step 4 - Side Panel Wall Profile

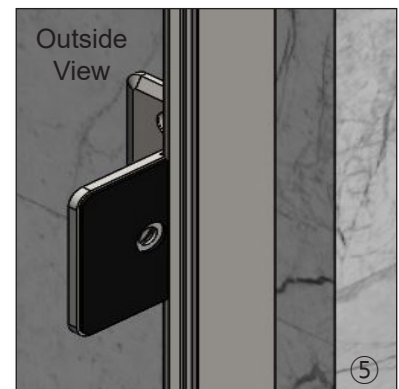
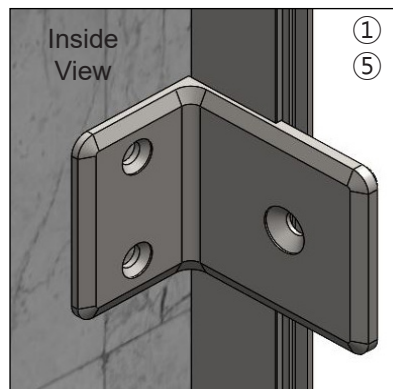
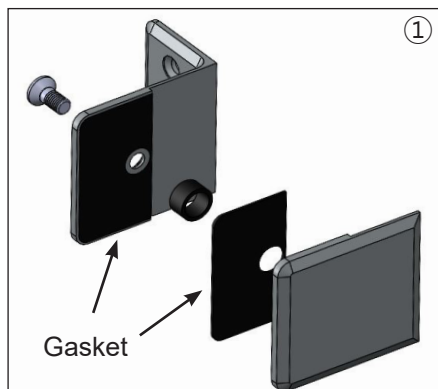
IMPORTANT: The table below is for standard products only. If you have purchased a bespoke product, measure the width of the Door Glass and the Inline Glass Panel for an 8mm, and for a 10mm Product add these together then reduce it by 1mm for Dimension 'Y'.

- Decide which side your Side Panel will be sat on, find your correct 'Y' distance using the table below/text above (this suits your door size) and measure from the opposite wall using a tape measure, and mark the wall using a pencil.
- Place a Spirit Level onto the pencil mark and add a pencil line fully up the wall.
 - Placing some masking tape where the Wall Profile will go will help with marking out and protect the tiles when drilling.
 - Use the Spirit Level and ensure the pencil line is completely vertical.
- Place the inside of the Wall Profile onto the pencil line making sure that it is fully vertical.
- Mark the Wall through the holes in the Wall Profile.
- Remove the Profile, and drill with a 6mm masonry drill (not supplied). Then proceed to remove the masking tape and fit the Wall Plugs.
 - Remove any debris.
- Apply a bead of sealant the width of the Panel Profile where it meets the top of the tray and the tiled wall.
- Place the Wall Fixing screws into the holes in the Panel Profile, lining them up with the holes in the Wall and tighten all screws.

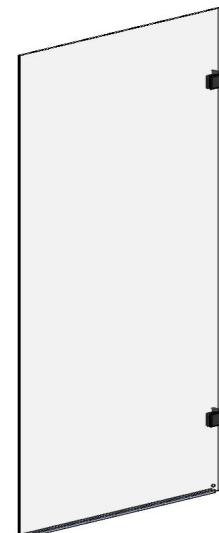
To suit Inline	Dimension 'Y'
KL1HR10	958
TL1HR10	956
KL1HR12	1158
TL1HR12	1156
KL1HR14	1358
TL1HR14	1356
KL1HR16	1558
TL1HR16	1556



Step 5 - Panel Wall Bracket Positions



- Dismantle the Wall Brackets and fit onto the Panel Glass ensuring that all gaskets are fitted. Ensure that the brackets are fitted the correct way (screws to the inside).
 - IMPORTANT: If you have purchased a product with a print, please ensure you fit the print on the outside.**
- Carefully lift the Panel into the Panel Wall Profile and up to the wall.
- Mark the wall through the holes in the Brackets using a pencil. Remove the Panel.
- Drill the wall with a 6mm masonry drill (not supplied). Fit the Wall Plugs and remove any debris.
- Remove the brackets from the Panel and fasten the inside bracket to the wall and over the Wall Profile.



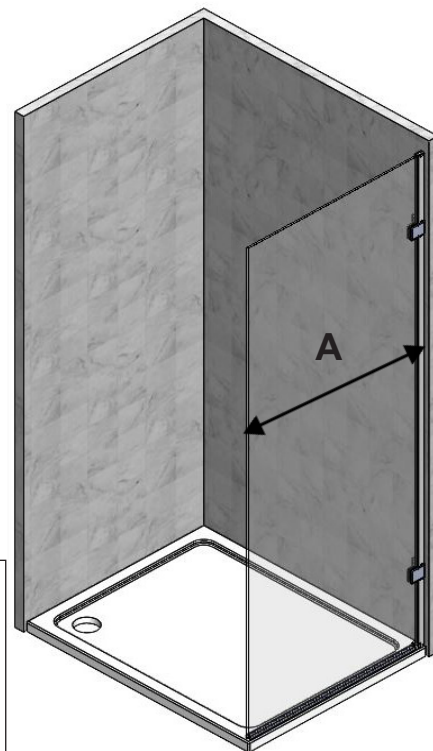
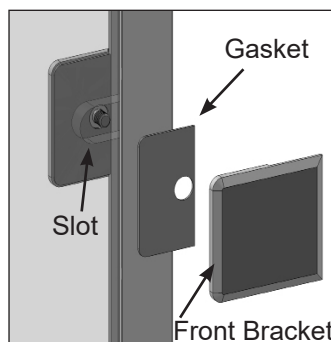
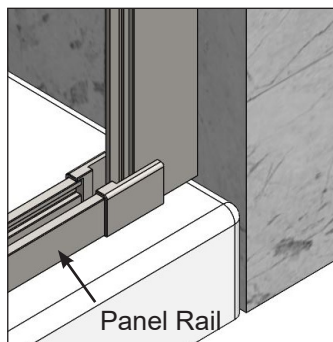
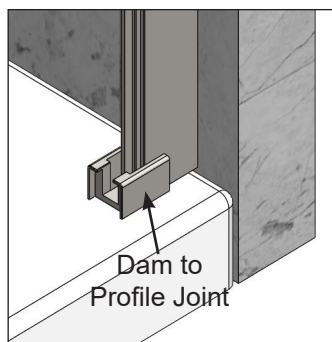
Step 6 - Fitting the Side Panel

IMPORTANT: The dimensions are from the tiled wall.

1. Place the Dam to Profile Joint over the Panel Profile at the bottom and push to the wall.
2. Place the Panel Assembly into the Panel Profile. The outer edge of the glass should be set to the required dimension "A" (see table) from the back wall when it is level.
 - **IMPORTANT: If you have purchased a product with a print, please ensure you fit the print on the outside.**
 - **Dimension 'A' is for standard products only - if you have purchased a bespoke product measure the width of the Glass and add 17.5mm**
3. Attach the front of the Wall Brackets to the already fitted Brackets and tighten, ensure that the gaskets are placed between the Brackets and glass.
4. Ensure that the glass is completely vertical using a Spirit Level and has not moved from Dimension "A" then fully tighten the Wall Brackets.

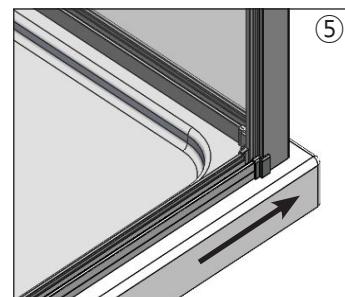
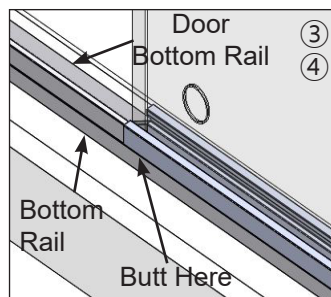
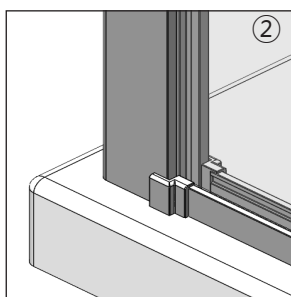
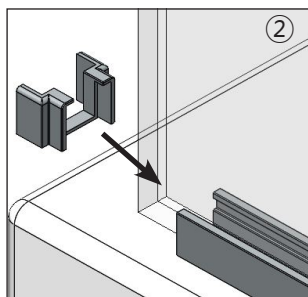
To Suit Panel	Dimension 'A'
KHR8	757.5
KHR9	857.5

To Suit Panel	Dimension 'A'
THR8	754.5
THR9	854.5



Step 7 - Dry Fitting the Corner Post & Inline

IMPORTANT: This is to be dry fit prior, to ensure the product fits correctly on the Tray. Do not fix anything in place at this point. This will take 2 people to fit. If you have a bespoke door, for distance 'X' measure the Door Glass and add 9.5mm.



1. Once the Side Panel is secured in place with the Wall Brackets, take the Corner Post and one Dam to Corner Joint.
2. Place these on the Tray and onto the Side Panel, ensuring the corner post is fit the correct way - see images.
 - **Do not secure in place.**
3. The Inline Panel has prefitted aluminium on it, get the long Bottom Rail and slide it over the prefitted aluminium on the Inline.
4. Slide the Door Bottom Rail onto the Long Bottom Rail and up to the Inline Panel Glass/Rail, ensuring the slope of the Rail faces the inside of the enclosure.
5. Position the Inline Panel and other parts onto the Tray, placing the other Dam to Corner Joint on the Inline Glass and up to the Corner Post.
6. Measure the Distance between the Wall and the Inline Panel Glass and ensure it matches distance 'X'.
 - **Someone may need to support the Inline at this point as it is not secured.**

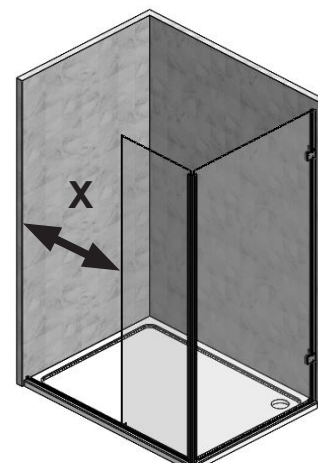
Distance X
662.5mm

10mm Side Panel

10mm
Inline

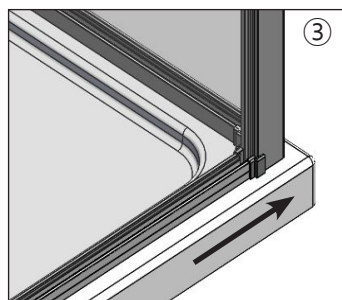
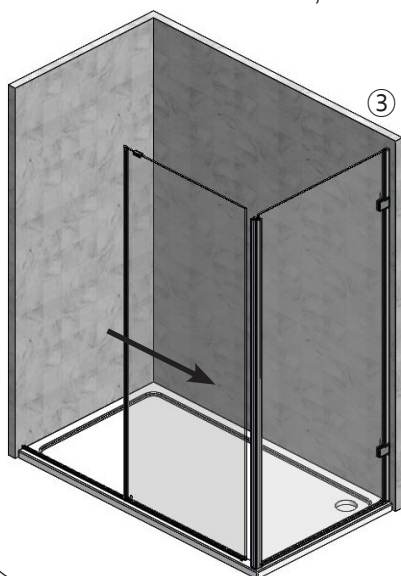
8mm Side Panel

8mm
Inline

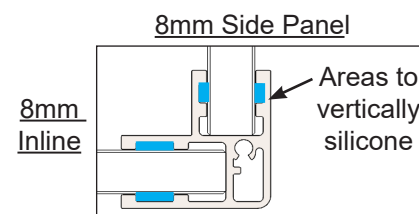
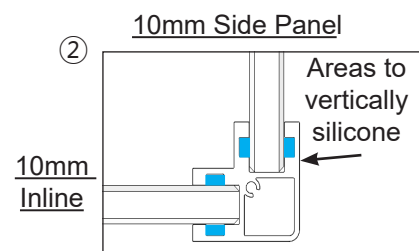
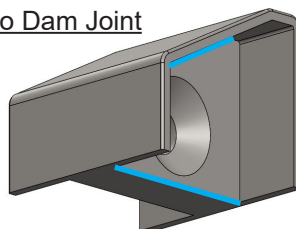


Step 7 - Fitting the Inline Panel Continued

1. When you are confident that the product fits and you get the correct distance for 'X', the product can be fit properly and secured in place. Remove the Inline Panel, Corner Post and Rails from the Tray.
2. Repeats steps 1 & 2 from Step 7, securing it in place this time. Do this by placing a bead of sealant on the inside of the Corner Post vertically down both sides and channels as per the image from top to bottom.
3. Place the Inline Panel Assembly and Rails back on to the tray top as done previously, and fit into the Corner Post with the Dam to Corner Joint.
4. Fit the Corner Bracket to the top of both Panels. Ensure the gaskets are on the outside and no metal touches the glass. Tighten the 2 inner screws that are nearest the corner first and then the outer screws.
5. Place the Wall to Dam Joint over the Door Bottom Rail. Ensure that the Wall to Dam Joint butts up to the tiled wall (if required slide the rails along to achieve this). Check the Panels and rails are parallel to the tray. When happy with fitment, place a bead of silicon to the base of the joint, add a bead of silicon the inside of the Wall to Dam Joint at the side that goes over the rails and refit.
 - Now the Side Panel, Inline and all Rails & Components are fit.

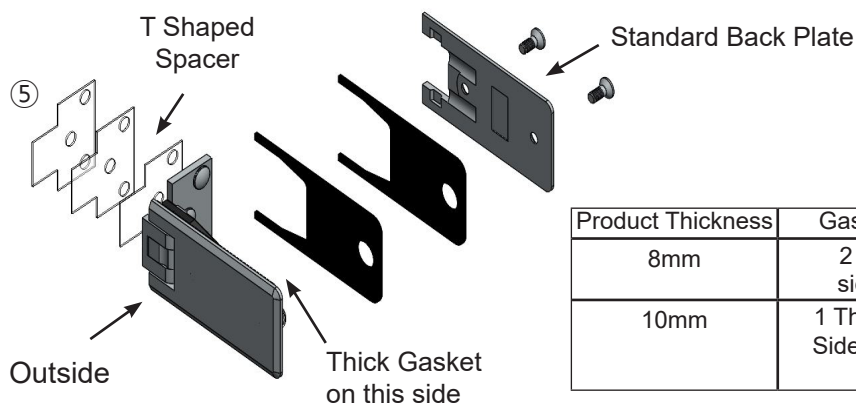


Wall to Dam Joint

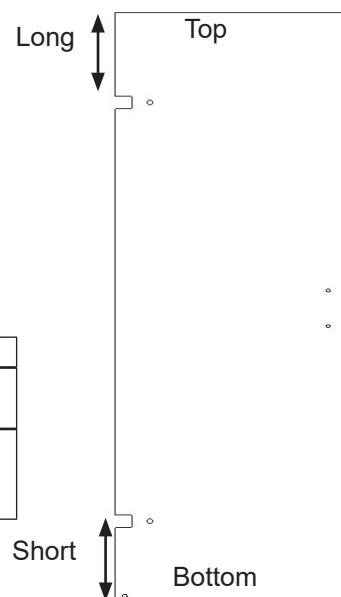


Step 8 - Fitting the Door

Note: we strongly recommend 2 people carry out the procedures below.

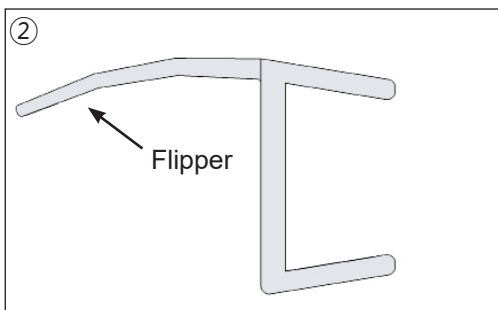
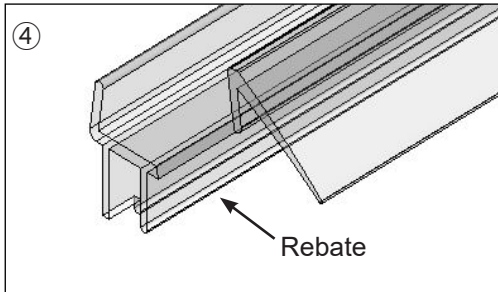
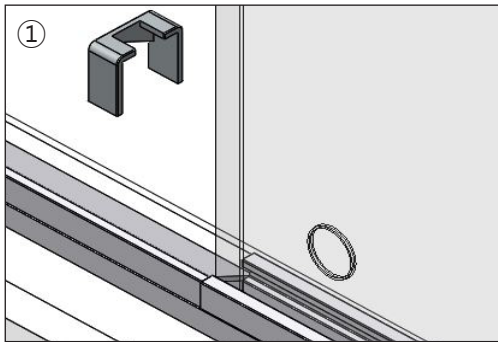


Product Thickness	Gaskets Required
8mm	2 Gaskets either side of the Glass
10mm	1 Thin Gasket one Side, one Thick on other



1. Fasten the Hinges to the Wall using the countersink screws supplied.
2. Remove the screws from the back of the hinges, then remove the backplate and ensure there is the correct amount of gaskets on each hinge (See Table)
3. Take the Door Setting Blocks and slide them together to create 2 small assemblies. Position them on the tray where the Door is going to go.
4. With the Door Glass the correct way round offer it onto the Hinges and onto the Red Setting Blocks
 - **IMPORTANT: If you have purchased a product with a print, please ensure you fit the print on the outside.**
5. Replace the gaskets and back plates onto the Hinges and fully tighten the countersink screws.
 - **IMPORTANT: Tighten the 4 Hinge fixing screws to 10N/m using a torque wrench.**
 - **Note: Included with the Product are 6 'T' Shaped Spaces. These are intended to help with out of true Walls.**
6. Remove the Handle Assembly from it's packaging and reassemble onto the Door Glass, ensure that the set screws are fitted on the inside of the Door and all gaskets are used between the glass and metal parts.
7. The Hinges can be adjusted inward or outward. Loosen the Adjusting Screw, move the Door to the desired position then tighten the Adjustment Screw.

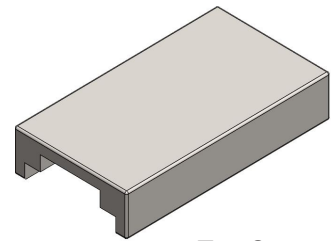
Step 9 - Fitting the Seals



1. At the bottom of the Inline Panel Assembly, place a bead of silicon between the Glass and the bottom Rail. Fit the Blanking End (select the correct handing) then carefully remove any excess silicon.
2. Fit the Panel Seal onto the Panel Glass and down on top of the Blanking End, trim to length if required
 - **IMPORTANT: Please ensure the Seal is fitted to suit Inward or Outward opening. The Door must close onto the Flipper, for example if the Door is Outward opening the Flipper must be on the inside of the shower.**
3. Fit the Bubble Seals to the Hinge Side of the Door Glass, trim as required.
 - **NOTE: The lower seal should sit as close to the top of the Wall to Dam Joint as possible.**
4. The Bottom Seal requires a rebate at one end only (Handle side). Fit the Bottom Seal so that the rebated end is level with the glass at the Handle side of the door and cut it to length so that it butts up to the Hinge Bubble Seals. Push fully onto the glass.
 - **IMPORTANT: The Seal is rebated at both ends, remove the rebate that is not required. You MUST ensure that the Deflector on the Bottom Seal is facing inward towards the shower.**
5. Fit the Top Cap to the Side Panel Profile and the Branding Badge to the top of the Front Panel Glass.



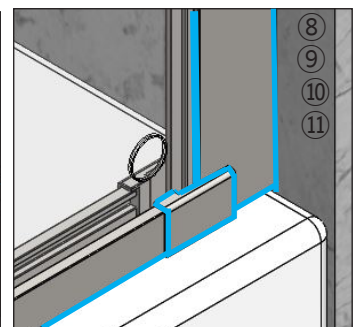
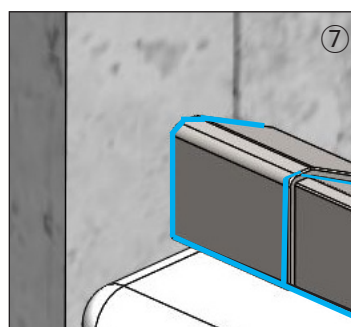
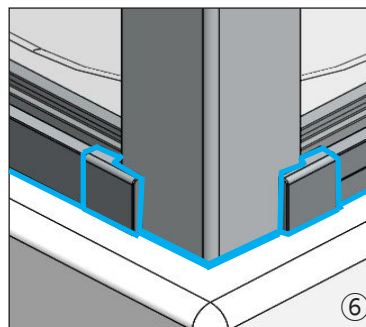
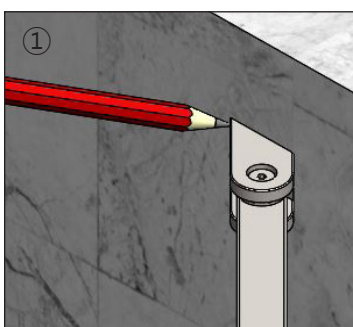
Branding Badge



Top Cap

Step 10 - Bracing and Sealing

1. Place the correct handing Bracing onto the Panel Glass and up to the tiled Wall, and using a spirit level to ensure its level, mark the tiles around the Wall Bracket. Then remove the bracing and remove the Wall Bracket from the assembly, and place it over the pencil mark. Mark the hole positions.
 - **NOTE: Place masking tape where the Wall Bracket is to go as it will protect the tiles and aid in marking.**
2. Drill the hole positions using a 6mm drill bit and fit the Wall Plugs.
3. Fit the Wall Bracket to the tiled wall using the screws supplied.
4. Place the Bracing onto the top of the Panel Glass and into the Wall Bracket and re-assemble.
5. Ensure that the gaskets are between the Glass and Bracing then fully tighten all screws in the Bracing.
6. Place a bead of silicon around the top of the Dam to Corner Joints and up the sides, and across the bottom of the Corner Post.
7. Place a bead of silicon around the top of the Wall to Dam Joint, up the sides and to the wall.
8. Place a bead of silicon around the top of the Dam to Profile Joint and up the sides
9. Seal the base of the enclosure horizontally on the outside only.
10. Seal the Side Panel Wall Profile all the way up from the tray on the outside and the inside.
11. Seal up from the top of the Dam to Profile joint where the Glass meets the Wall Profile up to the first Bracket on the outside only
 - **Do not seal along the base on the inside.**
 - **IMPORTANT: Failure to follow stages 6,7,8,9,10 & 11 may result in serious water damage and is not covered**



Trouble Shooting Guide

Should you experience any problems during installation please refer to the Trouble Shooting Guide or contact Customer Relations on:
+44 (0) 1325 328033

To enable customer relations to provide you with an excellent level of service it is important that you quote your product Code and Reference Number - these can be found on the Guarantee card.

Problem	Solution
Leaking	1. Check that the inside gap between the Tray and Wall profile has been sealed correctly. 2. Ensure the tray is sealed along the tiled walls prior to installation. 3. If the inside joint between the enclosure and the tray top is sealed, this will cause leakage - sealant must be removed. 4. Ensure the joint between the enclosure and tray top is sealed on the outside. Important: This enclosure should be water tested conforming to BS EN 14428
Enclosure Alignment on Tray	1. Have you read and understood Step 1 of the instructions? 2. Is the enclosure fitted onto a tiled wall? 3. Is the wall profile completely vertical?
Door not operating correctly	1. Ensure both Hinge Assemblies are completely vertical. 2. Adjusting the Set screw on the inside of the Hinges can help. 3. Ensure the tray is completely level. 4. Check the bottom of the door is parallel to the top of the tray.
Door Alignment	1. Ensure the Hinge Assemblies and Wall Profile is completely vertical. 2. Ensure you have read and understood Step 1 of the instructions. 3. Check the bottom of the Door is parallel to the top of the Tray. 4. Check the Hinge Screws have been fully tightened to 10N/m.
Panel Alignment	1. Ensure the Tray is completely level. 2. Check the Corner Post has been fit the correct way (Step 7) 3. Check the Bracing is fitted correctly and fully tightened.

Please Note

If you attach or hang items, such as shampoo holders, shower baskets etc. onto this shower enclosure, please ensure all edges, that make contact with the glass, are well protected with a soft material such as rubber/ plastic.

Failure to do so may result in damage to the glass or even glass breakage. Bathroom accessory holders such as shower baskets should **NOT** be over loaded, which can stress the bare edges of the glass.

Bathroom accessory holders, such as Shower baskets, should not be placed where they could interfere with the operation of the enclosure or come into contact with moving parts.

Important Information to help you maintain your Product:

The following information is all you need to keep your product looking new.

Our products are generally maintenance free, however it may be necessary to lubricate wheel assemblies and other moving parts such as hinges from time to time.

Clean your product using a mild detergent diluted in water and then polished off using a soft cloth.

If you live in a hard water area, periodically clean your product using a 50/50 solution of white vinegar and water. The solution should be left on the enclosure for approximately 5 minutes then rinsed off using warm water. This method of cleaning should remove lime scale residue.

It is strongly recommended that a quality silicone spray is used.

A list of Donts

1. Don't use acidic based products which are unsuitable for cleaning enamel surfaces.
2. Don't use abrasive cleaners or cleaners using bleach or solvents, these products will adversely affect the finish of the aluminium profiles.
3. Don't use scouring pads, powder or any sharp instruments when cleaning the enclosure.