How To Install Your Frameless Shower Enclosure

a)   SINGLE FRAMELESS DOOR – SIDE MOUNTED WALL HINGES

1.   Verify that the actual glass door width will fit the opening.

   Depending on the use of seals and "U" channel the opening width
   should be wider than the sum of the glass door plus panel as follows:

   i.   No seals being used ……………………1/4" – 5/16" wider than glass
   ii. 1 vertical gasket seal …………………….…… 3/8" wider than glass
   iii. 2 vertical gasket seals ……………….…… ½" – 5/8" wider than glass

2.   Attach hinges and handles to glass door. The hinge cutout on the glass
   is cut to ensure that the door cannot fall off the hinges once attached.
   Position the hinge in the center of the cutout to allow for maximum
   adjustment. Hand tighten the backplate screws.

3.   The hinge comes with two sets of gaskets. The thick gasket is designed
   for use with 3/8" glass. The thin gasket is for ½" thick glass doors.

4.   Use a wooden shim to raise door 3/8" off the bottom sill to allow for
   sweep

5.   Align door in position. Level door to ensure even gaps on both sides of
   door

6.   Mark positions for the holes to be drilled.

7.   Using a ¼" masonry bit carefully drill holes through marble or tile
   surface.

8.   Ensure that screw will go directly into stud or use good quality wall
   anchors to make sure that screws are anchored securely into the wall.

9.   Insert screws through hinge into wall starting with the top outside and
   then bottom outside holes.

10.   Insert clear vinyl bottom sweep onto bottom of glass door. Sweep should
   drag gently across the sill.

NOTE: Ensure that the vinyl at bottom goes from wall edge to wall edge by
trimming the flexible vinyl at bottom at 45 degree angle so that it extends approx
¼" beyond door width on each side.

b) **WALL MOUNTED FRAMELESS DOOR WITH INLINE PANEL**

1. First measure total opening width to verify that glass fits opening. Depending on the use of seals and "U" channel the opening width should be wider than the sum of the glass door plus panel as follows:

   iv. No seals being used ………………….. ¼" – 5/16" wider than glass
   v. 1 vertical gasket seal …………………………. 3/8" wider than glass
   vi. 2 vertical gasket seals ……………………. ½" – 5/8" wider than glass
   vii. Allowance of ¼" per channel has been made

2. Align fixed side panel at center line of sill and plumb to ceiling. Shim underneath panel with vinyl setting blocks to ensure glass is separated from tile/marble threshold. Ensure panel is level. Tape in position.

3. If the installation requires the use of channel or wall clips see attached **Channel and Wall Clip Installation Guidelines.**

   Prior to siliconing panel in place ensure that you have the correct opening remaining for the door – including hinges, to line up. Space remaining depends on use of seals and "U" channel. See (1) above.

4. Follow instructions for **Installing a Single Frameless Door**

5. Align door in position. Level door to ensure an even gap on either side of door. If the panel is slightly higher you will want to shim up the door to match. If door is higher you need to remove the inline panel and change its setting blocks to lift up the panel to match the door. With the door positioned to match the inline panel mark the location for the screw holes for the hinges on the wall.

7. If the installation requires the use of a header see attached **Header Installation Guide.**

8. Insert clear vinyl bottom sweep onto bottom of glass door.

   NOTE: Ensure that the vinyl at bottom goes from wall edge to wall edge by trimming the flexible vinyl at bottom at 45 degree angle so that it extends approx ¼" beyond door width on each side.

9. Using CRL Mildew Resistant Silicone Sealant carefully caulk the panel outside and inside across the base of panel, up vertical wall and across ceiling if required.

10. Allow 24 hours for silicone to cure before using the shower.

c)   FRAMELESS DOOR BETWEEN INLINE PANELS (GTG180 HINGE)

1. First measure total opening width to verify that glass fits opening. Depending on the use of seals and "U" channel the opening width should be wider than the sum of the glass door plus panel as follows:

    viii. No seals being used ……………………¼" – 5/16" wider than glass
    ix. 1 vertical gasket seal …………………………. 3/8" wider than glass
    x. 2 vertical gasket seals ……………………. ½" – 5/8" wider than glass
    xi. Allowance of ¼" per channel has been made

2. Install 2 fixed inline panels first. Align panels at center line of sill and plumb to ceiling. Shim underneath panels with vinyl setting blocks to ensure glass is separated from threshold. Ensure panels are level. Tape in position.

3. If the installation requires the use of channel or wall clips see attached **Channel and Wall Clip Installation Guidelines.**

4. If the installation requires the use of a header consult the **Header Installation Guide.**

5. Prior to siliconing panels in place ensure that you have the correct opening remaining for the door – including hinges, to line up. Space remaining depends on use of seals and "U" channel. See (1) above.

6. Using CRL Mildew Resistant Silicone Sealant carefully caulk the panels outside and inside across the base of panel, up vertical wall and across ceiling if required.

7.   Wait 24hrs before hanging the door. The weight can cause the panels to shift if silicone has not cured entirely.

8. Attach the Glass to Glass 180 Degree hinges to the fixed glass panel. Tighten securely

9. Raise door off the sill 3/8" by using a wooden shim. Align door in position making sure hinges are in correct position. Level door to ensure an even gap on either side of door. If the panels are slightly higher you will want to shim up the door to match. If door is higher you need to remove the inline panels and change the setting blocks to lift up the panels to match the door. Tighten hinges securely on glass door.

10.   Insert clear vinyl bottom sweep onto bottom of glass door.
      NOTE: Ensure that the vinyl at bottom goes all the way between the fixed panels by trimming the flexible vinyl at bottom at 45 degree angle so that it extends approx ¼" beyond door width on each side.

d)   INSTALLING RIGHT ANGLED FRAMELESS ENCLOSURES

1.   First measure total opening width and return panel width to verify that glass fits opening as ordered. Depending on the allowance for channel or clips the glass should be ½" – 1" shorter than both the return width to the centre line and the door side width to the centre line.

2.   Install **fixed return panel** first. If you are using U Channel or Wall Clips follow appropriate installation instructions. Align panel at center line and plumb to ceiling. Shim underneath panel to ensure glass is separated from threshold. Ensure panel is level. Tape in position.

3.   Next install and tape in place the fixed inline panel to the fixed return panel. Align panel at center line and plumb to ceiling. Shim underneath panel with vinyl setting blocks to ensure glass is separated from tile/marble threshold. Ensure panel is level. Tape in position.

         When facing from the outside, the inline panel should overlap the return panel. Attach clips if appropriate.

4   Check that the correct door opening remains. Depending on the use of seals and "U" channel the opening width should be wider than the sum of the glass door plus panel as follows:

         i.   No seals being used ……………………¼" – 5/16" wider than glass
         ii. 1 vertical gasket seal …………………………. 3/8" wider than glass
         iii. 2 vertical gasket seals …………………… ½" – 5/8" wider than glass
         iv. Allowance of ¼" per channel has been made

1.   Check that the door height will align with the inline panel. Allow a 3/8" gap below the door for the bottom sweep. If the panel is   higher you will want to shim up the door to match. If door is higher you need to remove the inline panel and change its setting blocks to lift up the panel to match the door. With the door positioned to match the inline panel mark the location for the screw holes for the hinges on the wall.

6.   Follow instructions for **Installing a Single Frameless Door.**   If use of a header is required see attached **Header Installation Guide.**

7.   Using CRL Mildew Resistant Silicone Sealant carefully caulk the panels outside and inside across the base of panel, up vertical wall and across ceiling if required. Follow silicone instructions for **STRUCTURALLY ADHERING AND SEALING GLASS IN U CHANNEL** where appropriate.

8.   Allow 24 hours for silicone to cure before using the shower.

e) INSTALLING NEO ANGLED FRAMELESS ENCLOSURES – DOOR IN CENTRE
Glass To Glass Hinge Application

1. Install 2 fixed mitred side panels first. Align panels at center line of sill and plumb to ceiling. Shim underneath panels with vinyl setting blocks to ensure glass is separated from threshold. Ensure panels are level. Tape in place.

2. If the installation requires the use of channel or wall clips see attached **Channel and Wall Clip Installation Guidelines.**   If the installation requires the use of a header consult the **Header Installation Guide.**

3. Prior to siliconing panels in place ensure that you have the correct opening remaining for the door – including hinges, to line up. Depending on the use of seals and "U" channel the opening width should be wider than the sum of the glass door plus panel as follows:

   i.   No seals being used …………………….¼" – 5/16" wider than glass
   ii. 1 vertical gasket seal …………………………. 3/8" wider than glass
   iii. 2 vertical gasket seals ……………………. ½" – 5/8" wider than glass
   iv. Allowance of ¼" per channel has been made

4. Using CRL Mildew Resistant Silicone Sealant carefully caulk the panels outside and inside across the base, up vertical wall and across ceiling.

5. Wait 24hrs before hanging the door. The weight can cause the panels to shift if silicone has not cured entirely.

6. Attach the Glass to Glass 135 Degree neo angle hinges to the appropriate fixed glass panel. Level and tighten hinges securely to panel.

7. Raise door off the sill 3/8″ by using a wooden shim. Align door in position making sure hinges are in correct position. Level door to ensure an even gap on either side of door. If the panels are slightly higher you will want to shim up the door to match. If door is higher you need to remove the side panels and change the setting blocks to lift up the panels to match the door.

10. Insert clear vinyl bottom sweep onto bottom of glass door.
     NOTE: Ensure that the vinyl at bottom goes all the way between the fixed panels by trimming the flexible vinyl at bottom at 45 degree angle so that it extends approx ¼" beyond door width on each side.

11. If door has moving transom above for steam shower see **Instructions For Installation of Movable Transom for Glass To Glass Applications.**

12. When all the glass is in place and the door and transom are moving correctly, install handles, knobs and vinyl seals as applicable.

f) INSTALLING NEO ANGLED FRAMELESS ENCLOSURES – DOOR IN CENTRE
Top and Bottom Pivot Hinge Application

1. Install 2 fixed mitred side panels first. Align panels at center line of sill and plumb to ceiling. Shim underneath panels to ensure glass is separated from tile/marble threshold. Ensure panels are level. Tape in position.

2. If the installation requires the use of channel or wall clips see attached **Channel and Wall Clip Installation Guidelines.** If the installation requires the use of a header consult the **Header Installation Guide.**

3. Prior to siliconing panels in place ensure that you have the correct opening remaining for the door – including hinges, to line up. Depending on the use of seals and "U" channel the opening width should   be wider than the sum of the glass door plus panel as follows:

    i.   No seals being used ……………………¼" – 5/16" wider than glass
    ii. 1 vertical gasket seal …………………………. 3/8" wider than glass
    iii. 2 vertical gasket seals ……………………. ½" – 5/8" wider than glass
    iv. Allowance of ¼" per channel has been made

4. Using CRL Mildew Resistant Silicone Sealant carefully caulk the panels outside and inside across the base of panel, up vertical wall and across ceiling if required. Wait 24hrs before hanging the door. The weight can cause the panels to shift if silicone has not cured entirely.

6. Remove flange from top hinge as it is not required. Attach top pivot hinge to top of door. Attach bottom hinge with flange to bottom of door.

7. Align top hinge with adaptor block provided. Drill a hole directly through the top of the header in line with the adaptor block and hinge hole. Insert the screw provided through the header into the hinge.

8. Align the door into position and mark, then drill holes for the bottom flange that is still attached to the hinge.   Secure the bottom hinge to the base.

9. Insert clear vinyl bottom sweep onto bottom of glass door.
    NOTE: Ensure that the vinyl at bottom goes all the way between the fixed panels by trimming the flexible vinyl at bottom at 45 degree angle so that it extends approx ¼" beyond door width on each side.

10. If door has moving transom above for steam shower see **Instructions For Installation of Movable Transom for Glass To Glass Applications.**

11. When all the glass is in place and the door and transom are moving correctly, install handles, knobs and vinyl seals as applicable.

g)   <u>INSTALLATION INSTRUCTIONS: BI-FOLD BATHTUB ENCLOSURES</u>

1. Install "U" channel for the fixed panel

2. Place fixed glass panel into channel

3. Verify that height of fixed and moving panels are aligned

4. Use wooden shim to ensure that there is sufficient room for vinyl bottom sweep approx ¼" wide.

5. Mark drill holes on tile or marble for attaching moving panel hinges.

6. Carefully drill holes and insert wall anchors if screws do not reach stud.

7. Attach moving panel securely onto wall mount hinges (ZUR03).

8. Attach ZUR07 hinges onto moving panel (1) and attach panel (2)

9. If there is a third moving panel attach ZUR02 hinges on to moving panel (2) and attach panel (3)

10. Before applying silicone to Fixed panel in "U" channel ensure that there is sufficient space for seals (P880WS) and that the heights line up.

11. Allow 24 hours for silicone to set before using tub enclosure

12. Install clear vinyl sweeps (P990WS) by sliding them onto the bottom of the glass panels.

h)   INSTALLATION INSTRUCTIONS FOR FRAMELESS SHOWER HEADER

1.   The Deluxe Header Kit

Each deluxe header kit comes complete with the following:

- ?   66″ or 98″ header extrusion
- ?   36″ snap-in filler for door pocket
- ?   vinyl for 3/8″ glass
- ?   wall mounting brackets

In addition if the header is being used with Pivot Hinges the following additional pieces are included in the kit:

- ?   Fixed and adjustable header corners
- ?   2.25″ blank mounting bracket and adaptor block

2.   Locating and Attaching Wall Mounting Brackets

To find the desired wall location, use a level and pencil line up the wall corresponding to the centre line of the glass. Measure up from the curb 1″ less than the top height of the header. This will be the location of the wall mounting screw (#10 * 2″). The screw should reach a stud or be installed with a screw anchor.

3.   Cutting Header for Neo-Angle 135 Degree Installations

Neo-angle headers require 22.5 degree miters cut at the 135 degree angles, and 90 degree cuts where they meet the wall.

The top channel of the header has a recessed "V" line running the length of the extrusion. This line matches the center line of the glass, so all cutting measurements should be taken from point to point along this line.

Example: The door center line measurements is 25″ and the side panels return at 135 degree angle. The header above the door will require a 22.5 degree left miter on one side and a 22.5 degree right miter on the other. **To be sure you have cut the extrusion the correct length, take a tape rule and measure the length of the header at the "v" line. To be correct it should correspond exactly to the centerline measure. RATHER CUT A LITTLE LONGER AND NIBBLE IT TO THE CORRECT LENGTH THAN CUT TOO SHORT.**

4.   Cutting Header for 90 Degree Return Installations

Cut header as above except the miter cuts are at 45 degrees. The ins or outs should be added or deducted when making the cut.

5.   Fabricating Header Ends for Wall Mounting Brackets

Carefully lay the header on a firm surface with the shallow "T" slot channel facing upwards.

Slide the wall mounting bracket in the channel with the short leg facing up and to the outside. Slide the wall mounting bracket in until the end of the bracket is flush with the cut.

Center punch the hole locations using the "V" line as the center indexing point.

Remove the bracket and drill two holes with a 3/16" drill. After drilling debur them with a #8 countersink.

Repeat this procedure on the other end of the header.

6.   Installation of Header Corners at the Mitered Joints

Slide the appropriate angled corner into the "T" slot in the top of the header and close the joint to a tight fit.

Center punch the holes in the angled corner and drill through the cross section of the header with a #27 high speed drill.   Insert screws and tighten.

7.   Header Installation Using Wall Mount or Glass-Glass Hinges

16. Fabricate the header as described above
17. Secure the wall mounting brackets with the #10 * 2" flat head phillips screws provided. Location was determined earlier.
18. Drop header over wall mounting brackets and check for hole alignment and fit to the wall.
19. Set the fixed panels in place with the 1" strips of vinyl on top of the glass. Drop the header over the wall brackets with the supplied screws and test for fit and rigidity.
20. If all is fine remove the header, put in the full lengths of clear vinyl on top of the glass and install the header.
21. Measure the open channel space above the door and install the snap-in filler insert.
22. Install the door with proper clearances and apply wipes and seals.

8.   Header Installation Using Top and Bottom Pivot Hinges

1. Fabricate the header as described above
2. Secure the wall mounting brackets with the #10 * 2″ flat head Phillips screws provided. Location was determined earlier.
3. Drop header over wall mounting brackets and check for hole alignment and fit to the wall.
4. Set the fixed panels in place with the 1″ strips of vinyl on top of the glass.
5. Drop the header over the wall brackets with the supplied screws and test for fit and rigidity.
6. If all is fine remove the header, put in the full lengths of clear vinyl on top of the glass and install the header.

Before installing the Top and Bottom Pivot Hinges two factors must be considered:

i. Check hinge location on glass door. Is it even with the edge of the glass or is it inset to reveal a full length glass edge or to clear a towel bar on the wall?
ii. What is the clearance between wall or fixed glass and the edge of the door?

The distance from the wall or fixed glass to the center line of the pin must be determined prior to installing the **Header Adaptor Block.**

The Header adaptor Block is mounted in the bottom channel of the header, with the "U" cutout that has a hole in the middle of it facing the bottom, and the notch in the top faces the mounting bracket below.

23. Slide the block left or right so the center line of the hole matches the center line of the pin.

24. Using a #7 Drill High Speed bit inserted in the hole in the block, drill a hole completely through the header. Deburr it with a #8 countersink.

25. Remove the base plate from the hinge and insert the square base of the pin into the Adapter block securing it from above with the pan head screw provided.

26. Now mount the bottom hinge using the same pin center line measurements.

27. Measure the open channel space above the door and cut and install the snap in filler insert.

28. Install the door with proper clearances and apply wipes or seals.

i) INSTALLATION INSTRUCTIONS FOR "U" CHANNEL

"U" channel is often used to secure a fixed glass panel or a bath screen to the wall.

"U" channel adds adjustment flexibility for installation and helps compensate for out of square walls

Sliding the glass into channel can be used for return or inline panels as long as the fixed panels are narrower than the door opening.

Steps In Installing U Channel

Determine Channel Position: Mark the tile indicating the centerline of the glass and determine exactly where the channel is going to be installed.

Cut the "U" Channel: Using a hacksaw or circular saw with a carbide blade, cut the "U" channel pieces so that they fit the spaces. Sand or file the ends to remove any saw marks.

Drill Holes: Drill holes in the channel where desired and use a countersink to rout out the holes so that the #8 x 1 1/2" stainless steel screws sit flush with the bottom of the channel.

Secure the Channel: Secure the top, bottom and side U channels with flat head screws.

Position Setting Blocks: Using CRL PSB040 1/8" thick clear vinyl setting blocks to fit across the channel width space approximately every 12", or on small panels at least two setting blocks.

Insert Glass into Channel: The glass has been sized to account for the thickness of the "U" channel and the 1/8" setting block. Slide the glass into the U Channel from the end and set in the proper place. Check for alignment and be sure that the glass aligns with the end of the U channel.

If the panel is next to the door opening you want to adjust the panel so that when it is installed the door opening is the desired width approx ¼" – ½" larger than the glass door itself. Measure at the bottom and at the top of the door opening. If necessary remove the fixed panel and change the setting block sizes the get the panel to stand with the correct width at the bottom and top.

j)   STRUCTURALLY ADHERING AND SEALING GLASS IN U CHANNEL

Siliconing glass into u-channel is a two step process:

The first step is to achieve **structural strength** and involves applying a bead of silicone inside the bottom of the u channel.

The second step is to provide **waterproofing**. This requires a small bead of silicone to be run around the entire perimeter of the U Channel edge where it meets the glass and the tile or marble – inside and out.

Structurally Adhering the U Channel
- ?   First cover all screws with a blob of silicone.
- ?   Seal any mitred joints or seams from the inside
- ?   Vertical channel should have a 1/8" bead of silicone running end to end
- ?   Run silicone 1/16" higher than the setting blocks in the bottom channel
- ?   Do NOT silicone over the setting blocks
- ?   Slide in glass panel, gently lowering it onto the setting blocks
- ?   Do final alignment
- ?   Do NOT silicone inside the top channel. A waterproofing cap bead will be applied later

Waterproofing

A bead of silicone needs to be run around the entire perimeter of the U Channel edge where it meets the glass

A bead of silicone also needs to be run where the base of the u-channel meets the tile or marble, inside and outside, as well as any open areas at the end of the channel.

Silicone Cleanup

No matter how carefully the glass is set into the U channel, a certain amount of silicone will flow out between the glass and the channel. There are two methods to address this situation:

> **Preventative:** Use Blue Low Adhesive Transfer Tape on the glass and U channel to provide an even bead width. First do this where the channel meets the tile or marble. Then do the same where the glass meets the channel. Allow a gap of 1/16"– 3/32" for the silicone.

> **Corrective:** Wait 30 – 60 minutes after siliconing before taking a single edge razor blade to trim excess silicone. Once this is done run your cap bead.

k)   Aquarium or Glass to Glass Corner Seals

A neat silicone job is essential to the appearance of any shower, but when one has two glass panels meeting at the corner, a good job makes the enclosure ….. a poor finish can ruin it.

Preparing The Glass
Ensure both pieces of glass are free from grime or oils that prohibit good adhesion. Glass cleaners or rubbing alcohol make good cleaners.

When to silicone the corners:
The aquarium corners should be done after your fixed panel hardware is installed, and your panels are set in place. Usually you have one panel which has support from the back wall. This panel will stand by itself when positioned. The other panel needs to be temporarily taped to the first panel. Put a setting block between the top corners to prevent glass to glass contact. The spacing should be 1/16" to 1/8" wide. You want the spacing to be consistent from top to bottom.

Verify Final Positioning
As long as the panels are securely positioned the door can be installed. What needs to be 100% sure is that the panels are in the correct and final position.

Preparation

Run Blue Low Adhesive Transfer Tape down the edges of both sides on both pieces of glass. The tape will act as an edge masking after the sealant has been applied. The purpose of taping the glass is to prevent the sealant from smearing all over the glass when the silicone bead is tooled. When the tape is removed while the silicone is still wet, it will produce a neat and attractive joint.

Have a roll of paper towels handy because siliconing can be messy and you may have to wipe your hands frequently.

Sealing the Corner
Make a small hole in the nozzle of the crystal clear aquarium corner silicone (99AS). Start at the bottom of the glass panels and work your way up to the top. Make sure you inject enough silicone into the crack so that there is excess that needs to be wiped off from the outside.

Using your finger wipe off the excess silicone and wipe it onto a paper towel and throw it away. Each time you run you finger from the bottom to top of the joint you push a little more silicone through the crack. Wipe the inside, the outside, and repeat until there is no more silicone left to wipe away.

Any excess silicone is on the tape, so you don't need to worry about cleaning up. Carefully remove the vinyl tape and throw it away . Remove the spacer block at the top of the glass, and inject a little silicone into its space. The corner needs to be left to set for 24hrs.

I) INSTALLING FIXED PANEL "U" CLAMPS

U Clamps are used to achieve structural strength and add symmetry to your shower enclosure.   A 3/16" clearance gap has been allowed for proper installation of the clamp.

Marking Clamp Position For Installation

The easiest way to ensure that the panel will be positioned in the correct place is to determine the center-line of your glass on the curb, wall or ceiling.

Attach the U clamps to the glass and align the glass panel along the center line.

Mark the positioning of the clamps with a pencil and ensure that the panels and door will all fit as per plan.

Remove the clamps from the glass panels, mark the locations where you plan to drill the holes.   Using a ¼" masonry bit or glass bit, drill your holes. Ideally you will be going into a wood stud or backing behind the tile. If not use a plastic anchor with a little silicone to hold it securely.

Mount all the required clamps.   Insert the clear gasket inside the face of the clamp. Mount the panel on the clear vinyl setting blocks and position the glass to its correct position. Manually screw the outer plate to the fixed clamp and glass.

Apply tape to the sides of the glass and the wall or curb. Apply silicone sealant inside and out.

m)   INSTALLING MOVING TRANSOM CLAMPS

There are three hardware components for glass-to-glass transom mounting: Two outside cover plates and an inside swiveling system that is two clamps connected by a stainless steel nut and bolt. Prior to installing the Movable Transom Clamps, both of the panels to be pivoted off of must be structurally secure.

1.   Remove the outside cover plates. The side with the flat head screw attaches to the fixed panel. The side with the nylock nut showing attaches to the moving transom.

2.   Put the outside cover plate with gasket attached into the hole in the fixed panel from the outside.

3.   Place the correct side of the inside back plate with the gasket in place into position. Connect these two pieces with the machine screws provided and tighten **by hand only.**

4.   Put the outside cover plate with gasket attached over the notch in the transom and align it with the edge of the glass. Set the transom in the opening and tighten it by securing the outside cover plate to the inside back plate with the machine screw provided and **tighten by hand only.**

5.   If Glass-to-Glass Movable Transom Clamps are being used on both sides of the moveable transom, repeat the above steps on the other side.

n.   Maintaining Your Shower So That It Looks and Lasts

1)   General Shower Stall Cleaning

? Pour CRL .... in a spray bottle and apply liberally on the tile and shower surfaces. A simple scrub and rinse done weekly will keep your shower sparkling.

2)   Preventing Build Up of Soap Scum and Mineral Deposits

? Apply a coat of CRL Crystal Shield to prevent build up of lime deposits on the glass. This coating will last up to a year. Rubbing on lemon oil also prevents build up of soap scum but the hot water washes off the oil quickly.

3)   Removing Soap Scum and Mineral Deposits from Glass

? Use CRL "Spot and Water Stain" remover to remove stubborn stains.

4)   Cleaning Frameless Shower Hinges and Hardware

? Use soap and hot water on a non-abrasive cloth.