

# Laurel Mountain

60" x 32" 3-Piece AcrylX® Residential Shower



## **LOUDON** INSTALLATION GUIDE

## Tools and Materials for Proper Installation

- 6D galvanized screws
- 100% clear silicone
- caulking caulking gun
- color match surface caulk
- shims
- tape measure
- 1/8" countersunk drill bit
- power drill
- cardboard
- china marker or grease pencil
- furring strips
- construction adhesive
- long spirit level
- mortar mix
- 2'-3' sections of 1/2" PVC pipe
- plumb bob tool

Thank you for purchasing Laurel Mountain Bathware. For best results, please read and follow all directions carefully.

## Do's and Don'ts

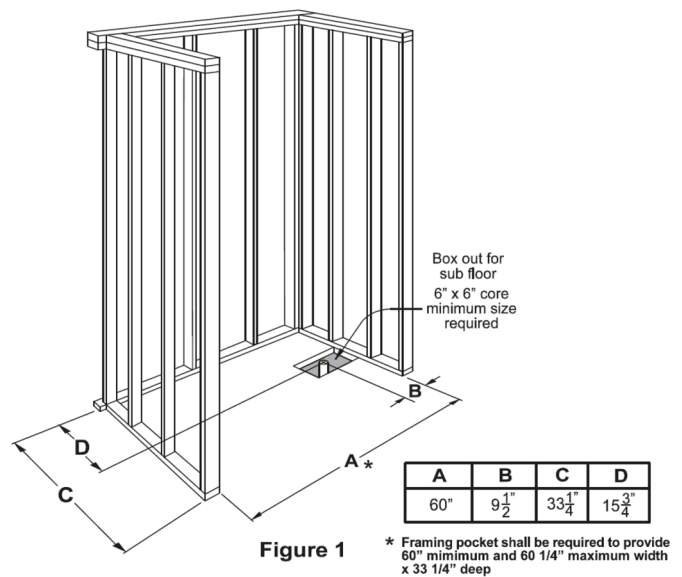
1. The back of an AcrylX® unit is NOT waterproof. UNIT MUST BE STORED SO WATER WILL DRAIN OFF AND NOT ACCUMULATE IN ONE SPOT. Water can penetrate the back laminates and soak the glassed in reinforcement supports causing bulges in the gelcoat surface.
2. HANDLE WITH CARE. Most handling damage is the result of impact blows to the back of the AcrylX® units.
3. NEVER drag an AcrylX® unit on any surface. Always transport the unit by hand using (2) people or two wheel dolly.
4. NEVER let an AcrylX® unit drop from any height, not even an inch or stress cracks are likely to occur.
5. Placing objects inside the unit can cause scratches or nicks to the finished surface. DO NOT use the shower as a trash receptacle! Always place a drop cloth or cardboard on the floor when working inside the shower.
6. NEVER clean an AcrylX® surface with metal tools of any kind, including razor blades

## Pre-Installation Planning

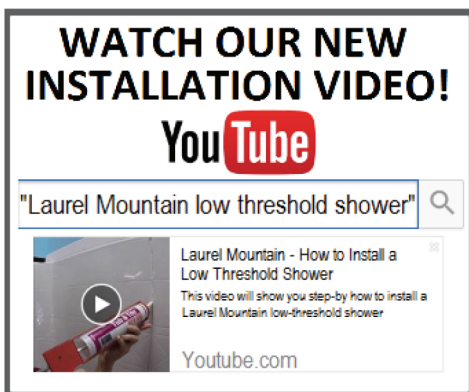
### READ INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION.

1. Gather the items needed (listed above).
2. Carefully remove the old bathtub at the installation site. The replacement showers are 77" tall so wallboard should be removed on all three walls to at least this height. Measure the framing pocket to insure the framing area and stud walls are square and measures: 60 1/4" wide x 33 1/4" deep. The floor must be clean, solid, and level. Relocate drain in floor if required. There is a 6" cutout around the drain area. See Figure 1.

### FRAMING DIAGRAM FOR 3 PIECE SHOWER



**Note:** Your level & plumb bob may tell you the framing is not perfectly square or level. This is a common experience. Do not assume your stud walls are straight or plumb. Adjustments to your vertical framing & subfloor are most often necessary.



- Review the framing diagram in Figure 1. Modify existing framing if required. For new construction, build framing in accordance with product dimensions and notes shown in the framing diagram.
- The shower base will be installed, leveled, and fastened to the framing before the walls are installed. Shimming may be required.
- Always place cardboard or a drop cloth on the shower floor and top of seat to protect the finished surface from scratching and damage.
- When installed, the wall sections will not be mechanically fastened together; or to the shower base. The wall sections will be installed tight to each other and the shower base with the silicone in the seams providing a water resistant seal. These positions will be maintained when the shower flanges are fastened to the framing. The base must be solidly installed so the seams between the shower base and wall sections will not separate, allowing water to penetrate the wall cavity.

**INSTALLATION WARNING:** This model is not designed to be installed as a one-piece unit.

**FAILURE TO COMPLY WITH INSTALLATION INSTRUCTIONS MAY VOID YOUR WARRANTY.**

### Installation Procedure

- Carefully remove the three parts from the packaging and inspect the shower closely for any shipping damage.
 

**IMPORTANT! It is very important to dry assemble the shower in an open space for the purpose of inspecting the shower for fit, finish & defects before moving the shower into the construction area.**

**Check to ensure that the gaps are consistent. You may notice the front corners of the wall are slightly pulled inward up to 1/2". This is normal as the wall will flex and pull into the studs.**

**Report any damage, defects and concerns. At this point take digital photos as a time stamp document. This will protect your investment, verify the condition of the product as it was received, and speed the assessment and correction process if required.**

Disassemble the shower and set the wall sections off to the side and move the shower base in front of the framing pocket opening.
- Use care when handling the shower parts to avoid scratches or stress cracks from excessive flexing.
- Install the drain fitting on the shower. Follow drain manufacturers instructions. The manufacturer is not responsible for leaking drain connections.

- Place cardboard or a drop cloth on the shower floor and on the top of the seat to avoid scratching the surface.
- Carefully place the shower base into framed pocket. TIP: Place two 3 foot sections of PVC pipe on the floor beneath the front apron of the pan as shoe horns or slides to assist. Do not slide shower base on protruding drain fitting.

See Figure 2.

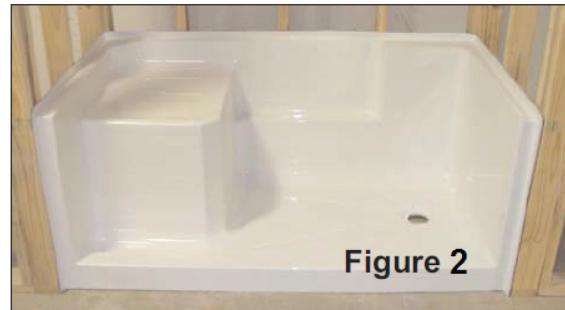


Figure 2

- Once unit is perfectly level, use marker or grease pen to mark studs at top and bottom edge of flanges as a visual guide. Use 1/8" countersinking bit to drill pilot holes.

Recheck Level as you fasten to studs to ensure base has not shifted off level. See Figures 3 and 4.



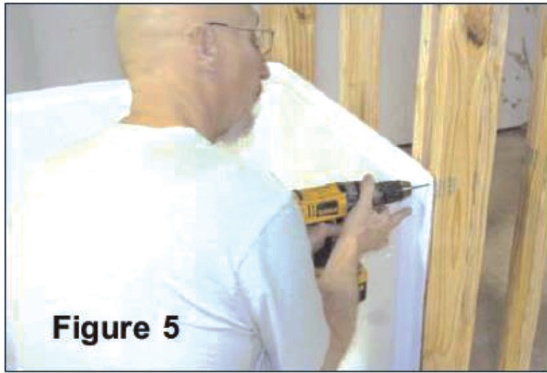
Figure 3



Figure 4

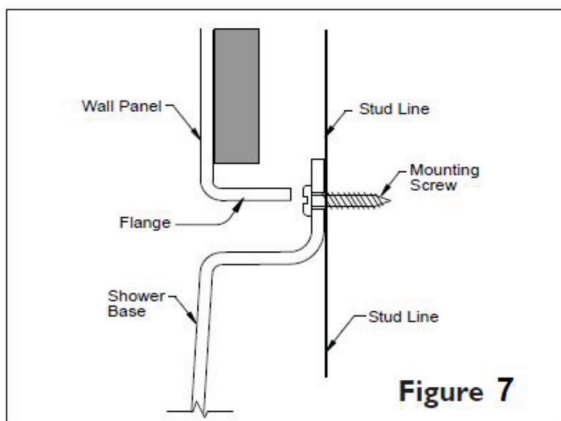
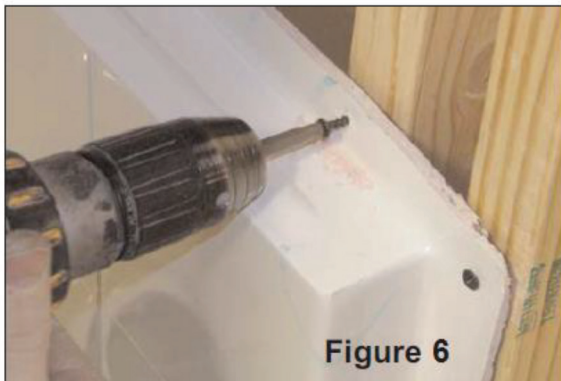
- Your shower base shall be equipped with one vertical alignment pin protruding from the base located on the center of back wall toward seat side of shower: This pin properly aligns the first back wall panel to be installed.

8. Drill holes with the 1/8" countersink drill bit Using 60 galvanized screws, secure the shower base to the framing.
10. Dry-fit the seat wall first. The center grout lines of the base and wall should align. See Figures 8 and 9.



Tighten the screws snug and tight to the surface, but be careful not to over tighten and break the flange.

It is recommended to use countersinking drill bit which will allow the screw head to be flush with the flange surface. Large screw heads can protrude interfering with wall assembly. See Figures 6 and 7.



**NOTE: Shims or furring strips may be used to assure solid contact between the mounting range and the studs.**

9. Complete a final check to ensure your base is level, secured to all three walls, the support leg makes contact with the subfloor and you have a slope to the drain. Now you can complete the shower drain connection. See drain instructions.



You will find a single alignment hole on the bottom of the seat side wall panel.

If the base is level and the wall studs are vertically plumb, the wall will rest properly with consistent gap line.

**Note:** If gap is larger in the corner, the base is not level or the stud wall is not plumb. Notching the stud wall to allow the wall to rest level on the base may be necessary. The dry fit inspection procedure in step one confirms your shower if pre-aligned and free of defect Compare the gap with the photos of the shower you took during dry-fit procedure. Correction is needed if the gaps look different

Once seat side wall panel aligns properly and gaps are consistent, dry fit valve wall panel before installing valve on stud wall. When both panels align properly remove both panels.

Prepare the seat side wall for permanent installation. Apply a bead of caulk on the shower base from the front corner to the center line of back wall using 100% clear silicone adhesive caulk. This procedure will prominently adhere the wall to the base and seal off any moisture from the wall cavity. **Note:** Cosmetic caulking will be required in a later step. See Figure 10.



**Figure 10**

Place wall on base and align into permanent position. Drill holes through flanges and secure flange to stud wall using flat head screws drawing the panel to the wall until wall and base surface is equally aligned. Note: Panel may need to be pulled to the stud on the front side of the wall shimming where necessary.

11. After mounting the valve to the stud wall, carefully transfer the valve location to the wall panel. Cover the surface area with masking tape to prevent chipping of finish before cutting hole.

After the valve hole(s) are cut, lift the wall back into place to trial fit. Adjust holes or valve if necessary, keeping in mind the need to make sure the seams and grout lines continue to line up and there is a consistent gap on vertical and horizontal seams.

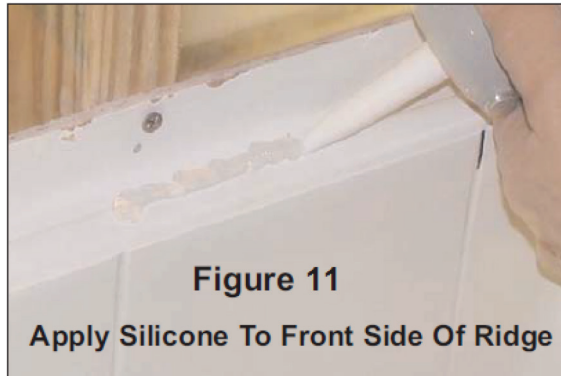
NOTE: Plumb stud walls and level floors are the exception rather than the norm. Some adjustment is usually necessary. When the valve location is correct and the gap is visually consistent on vertical and horizontal seams, your dry fit procedure is complete.

12. Temporarily remove the valve wall off the base to prepare for permanent installation.

Permanently install the wall by angling the wall to align the center seam pins. Rotate wall to clear the rough in valve.

Note: Run an unbroken bead of caulk the entire length of the halfway point and circle shipping bolt holes and pin.

Use 100% clear silicone adhesive caulk on horizontal and vertical interior joint surfaces. Color surface caulking will be a later step. Clear caulking on inner seam is recommended.



**Figure 11**

**Apply Silicone To Front Side Of Ridge**

13. Push center seam together hand tight Wipe clean any excess caulk that squeezes out from the interior seal.
14. Measure, and mark locations for mounting holes on the flanges of the wall panels. Mark horizontal so each hole matches up with a stud, ( 16" on center). Mark every 8" on center for the vertical flanges at the front of the unit. Drill a 1/8" diameter screw hole at each mark.  
  
Use 60 fastener screws to draw nailing flange to wood studs. Shim where necessary.

## Recommended Caulking

1. Surface caulk all joints with a 100% RTV silicone adhesive caulk- clear, or premium color matching white, biscuit, or bone Wipe all surface excess clean.

See caulk instructions for proper curing time before use of shower. See Figure 10. See close up view in Figure 11.

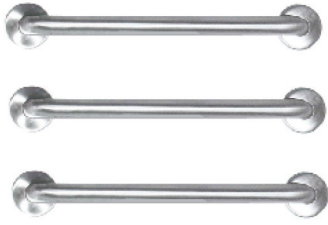
Assure that the vertical and horizontal grout lines remain in alignment. Fasten the vertical flanges at the front on both walls.

Install finish trim around the water control valve, per the manufacturers provided instructions.

2. Apply caulk to finish seams. Smooth caulk and clean away excess before cure. See caulk directions for curing time. Do not use shower until caulk is cured.



## Grab Bar Field Installation Instructions



The grab bars are fastened to the shower wall using the provided screws. Review these instructions before you begin installation.

1. Determine the location you want to install the grab bar. Place the grab bar in the desired location and mark the location of each mounting hole for both ends of the grab bar
2. Using a  $\frac{1}{8}$ " drill bit, drill each mounting hole at a depth of 1"
3. Apply silicone caulking around and in each mounting hole before installing the grab bar
4. Start mounting by hand, one screw in each end of the bar
5. Use a power drill with a Phillips head bit to fully install the mounting screws
6. Install the remaining mounting screws into the mounting holes. Snug the screws but do not over tighten

## Curtain Rod Installation



The curtain rod is fastened to the shower wall using the provided rod cups, screws, and lock nuts.

1. Determine the location of the curtain rod / rod cups
2. Carefully measure and mark the mounting hole locations for the rod cups
3. Drill pilot holes that are slightly smaller than the mounting screws.
4. Fasten the rod cups to the wall by tightening the mounting screws
5. The curtain rod can now be cut to fit the unit. Measure the inside of the unit right above the threshold
6. Once the measurement is determined you will subtract  $\frac{3}{4}$ " off the total measurement
7. Cut the curtain rod and snap each end into the rod cups.

## Care & Cleaning Instructions

**CAUTION:** If you use a RUBBER FLOOR MAT in the tub or shower unit it must be removed after each usage. If left in the unit, it may cause blisters or damage to the surface finish.

### Do Not Use Abrasive Cleaners

The most important caution is to avoid the use of harsh abrasive cleaners or gritty scouring powders. To clean the unit, simply use a household liquid detergent with a soft sponge or cloth with warm water.

More persistent stains, tar or paint can be removed with naphtha or mineral spirits. Remove dried plaster by scraping with a soft sharpened wooden stick. Avoid wire brushes, metal scrapers or tools. Restore dull areas by rubbing with automotive type body cleaning compound.

## Residential Shower Warranty

Laurel Mountain Showers are warranted to the original purchaser to be free from defects in material and workmanship for the following periods. The shower shell carries a limited lifetime warranty. The grab bars, drain and curtain rod have a limited 10 year warranty. All other parts have a limited 5 year warranty. Proof of purchase is required. This warranty is issued to the original purchaser and shall be effective from the date of purchase as shown on purchaser's receipt.

Laurel Mountain will repair or replace (at their choice) any unit which proves to be defective in material or workmanship under normal use and service, having been properly installed. This warranty is the only express warranty made by Laurel Mountain and is limited to the duration of this warranty. Any labor charges and/or damage incurred in installation, repair or replacement as well as incidental and consequential damages connected therewith are excluded and will not be paid by Laurel Mountain. Some states do not allow the exclusion or limitation of incidental or consequential damaged, so the above limitation or exclusion may not apply to you. This warranty is void for any damages to the unit due to abuse, misuse, neglect, accident, improper installation, any use violating instruction furnished by us, or repair not authorized in writing by Laurel Mountain.

To validate your warranty, record your order date and PO # and store in a safe place.

The order date & (8-digit) PO # can be found on your Lowes receipt.

Order Date: \_\_\_\_\_

PO #: \_\_\_\_\_

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