



## Installation Requirements for Acrylic Bathtubs and Shower Bases

### Bathtubs (Deck and Alcove)

1. Inspect the framing to ensure it is to the specification for the product being installed. The bathtub is required to have support framing along all four sides. The underside edges of the tub must rest on framing materials (1" x 4"s, 2" x 4"s, or 2"x2"s) which are attached horizontally (and leveled) to the studs of the walls. To construct the framework, measure the depth (from the bottom of the tub to the underside of the deck) and width of the tub.

***Make certain the frame is level front to back and side to side. If the frame is not level, the product may not drain properly.***

2. Position the tub on the frame work and ensure full contact of the underside of the deck of the tub to the support frame.
3. Ensure the drain rough in is centered in the bathtub drain opening.

Royal Manufacturing recommends the product be installed on a bed of sand mix mortar to fully support the total weight of the

4. product and person. If product is not mortar set, it is required that all support feet must be supported/shimmed to ensure subfloor contact at load support points.
5. Level the tub by checking the tub deck front to back and side to side. If tub is level, the product will drain properly.
6. To assure that the bathtub does not move, toe nail or install a screw just outside of the bathtub.
7. Using a 12" level, check the well of the tub for proper slope post install. Minimum slope acceptable is 1/8" per foot (2 quarters = 1/8", 4 quarters = 1/4").

***If any variation is detected from the above steps, please stop the installation and contact Royal for guidance.***

### Bathtubs (Skirted, Non-AFD)

1. Inspect the framing to ensure it is to the specification for the product being installed. The bathtub is required to have support framing along the backside. The underside edges of the tub must rest on framing materials (1" x 4"s, 2" x 4"s or 2"x2"s) which are attached horizontally (and leveled) to the studs of the walls. To construct the framework, measure the depth (from the bottom of the tub to the underside of the deck) and width of the tub.

***Make certain the frame is level front to back and side to side. If the frame is not level, the product may not drain properly.***

2. Position the tub on the frame work and ensure full contact of the underside of the deck of the tub to the support frame.
3. Ensure the drain rough in is centered in the bathtub drain opening.

4. Royal Manufacturing recommends the product be installed on a bed of sand mix mortar to fully support the total weight of the product and person. If product is not mortar set, it is required that all support feet must be supported/shimmed to ensure subfloor contact at load support points.
5. Level the tub by checking the tub deck front to back and side to side. If tub is level, the product will drain properly.
6. To assure that the bathtub does not move, pre-drill, and place two screws per side and 3 into the back into the flange of the bathtub, screwing into the wall studs. Do not nail and do not over tighten screws as this will damage the flange. Cover the screws with 100% silicone after install.
7. Using a 12" level, check the well of the tub for proper slope post install. Minimum slope acceptable is 1/8" per foot (2 quarters = 1/8", 4 quarters = 1/4").

***If any variation is detected from the above steps, please stop the installation and contact Royal for guidance.***

### **Bathtubs (AFD)**

1. Inspect the framing to ensure it is to the specification for the product being installed. AFD bathtubs come pre-leveled from the factory and are designed to be self-supported by the installed feet.  
***Make certain the subfloor is level front to back and side to side. If the subfloor is not level, the product may not drain properly and additional shimming will be required.***
2. Position the tub on the floor and ensure all support feet are in contact with the subfloor.
3. Ensure the drain rough in is centered in the bathtub drain opening.
4. Level the tub by checking the tub deck front to back and side to side. If tub is level, the product will drain properly. Verify all support feet are contacting the floor post leveling. If not, install shims as necessary.
5. To assure that the bathtub does not move, pre-drill, and place two screws per side and 3 into the back into the flange of the bathtub, screwing into the wall studs. Do not nail and do not over tighten screws as this will damage the flange. Cover the screws with 100% silicone after install.
6. Using a 12" level, check the well of the tub for proper slope post install. Minimum slope acceptable is 1/8" per foot (2 quarters = 1/8", 4 quarters = 1/4").

***If any variation is detected from the above steps, please stop the installation and contact Royal for guidance.***

<b>ADA Bathtubs are ADA/ANSI Compliant when installed according to 2017 ICC A117.1 Ch 6 Section 607</b>
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## Shower Bases

1. Inspect the framing to ensure it is to the specification for the product being installed.
2. Ensure the drain rough in is centered in the shower base drain opening.
3. Royal Manufacturing recommends the product be installed on a bed of sand mix mortar to fully support the total weight of the product and person. If product is not mortar set, it is required that all support feet must be supported/shimmed to ensure subfloor contact at load support points.
4. Position the base on the floor.  
If mortar is used, ensure the mortar is spread evenly to provide the necessary support and no high spots.  
If no mortar is used, ensure all support feet are in contact with the subfloor.
5. Level the shower base by checking the flange deck front to back and side to side. If shower base is level, the product will drain properly. Verify all support feet are contacting the floor post leveling. If not, install shims as necessary.
6. To assure that the shower base does not move, pre-drill, and place two screws per side into the flange of the shower base (3 screws required along the back for shower bases 48" or wider), screwing into the wall studs. Do not nail and do not over tighten screws as this will damage the flange. Cover the screws with 100% silicone after install.
7. Using a 12" level, check the well of the tub for proper slope post install. Minimum slope acceptable is 1/8" per foot (2 quarters = 1/8", 4 quarters = 1/4").

***If any variation is detected from the above steps, please stop the installation and contact Royal for guidance.***

## Clean-Up After Installation

To avoid dulling and scratching the acrylic surface of the product, never use abrasive cleaners. Use a mild liquid detergent and warm water to clean soiled surfaces. Remove spilled plaster with a wood or plastic edge. Metal tools will scratch the surface. Spots left by plaster or grout can be removed if lightly rubbed with detergent on a damp cloth or sponge. Paint, tar or other difficult stains can be removed with isopropyl alcohol. Minor scratches which do not penetrate the color finish can be removed by lightly sanding with 600 grits wet/dry sandpaper. You can restore the glossy finish to the acrylic surface of the base with a special compound, Meguiar's #10 Mirror Glaze. Major scratches and gouges which penetrate the acrylic surface require refinishing. Contact Royal Manufacturing for special instructions.

## **General Notes**

1. **All products will come with a clear plastic film for protection. Please remove the film in all sealing areas prior to installation of mating product.** Royal recommends the remaining film be left on throughout the construction process and be removed at final clean for product protection.
2. Royal Baths Manufacturing Company's line of shower pans include a seep groove along each top ledge of the pan. The design of the groove is to aid in draining excess water that may collect along the pan ledge during and immediately after the showering process. These grooves are in no way intended to remove moisture from behind the wall product. It is recommended that the seep hole (not the channel) be caulked with silicone to reduce the risk of water intrusion. The silicone bead would completely adhere to the wall as well as the splash lip flange.
3. Backerboard installed above the Royal product needs to be installed 1/8" above the top of the screw flange and gap must be filled with 100% silicone.

**All products must be installed by a licensed professional.**

**Royal Baths Manufacturing Company does not install plumbing products but as the manufacturer of the products, we highly require the above processes be followed to better ensure the long-term performance and maintain the warranty of all products.**