Bistine Stone

SINGLE ALCOVE - S-80

Single Threshold Shower System Installation Guide for Liner Style & Accent Liner Style Showers

Congratulations on the purchase of your new shower system. This guide will give you the instructions on the installation of your new shower. Natural Travertine Stone Appearance

All of our stone products are custom made and hand-crafted to look and feel like authentic travertine. As you may know, travertine is a form of limestone that has been under pressure for thousands of years. The product of long-ago hot and cold springs and waterfalls, travertine is a beautifully banded and colored stone with a unique character. Among its most appealing characteristics are the interesting craters and depressions, created by streams of water that flowed through the stone. We have taken great care in reproducing the appearance of genuine travertine stone, giving you a beautiful and authentic shower.

Installation time may vary depending on your experience, complexity of shower, and "Pre Installation Preparation Work" which may include: plumbing relocation, drain location and bathroom demolition.

Prior to demolition, scheduling a contractor or building your shower, double check that you have all the parts from the factory. Some applications may require a licensed plumber or contractor. Do not use any product spec sheets to begin installation before receiving product. These spec sheets are for reference only. Use actual product measurements only. The diagrams throughout this guide illustrate a 36" x 36" shower. Depending on the size of the shower purchased, actual parts may vary in size from the diagrams shown.

Our goal is to help you achieve a quick and successful shower installation.



See the clock in each section for estimated installation time.

Missing or damaged hardware and tiles should be reported within 24 hours of receiving this shipment - If you need assistance call 1.800.454.2284, 7:15am - 4:00pm, Monday thru Friday (PST)





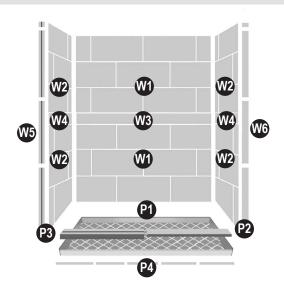
TOOLS AND SUPPLIES YOU WILL NEED TO INSTALL YOUR SHOWER

PENCIL & MARKER	SPONGE	60 GRIT SANDPAPER
HAMMER	GROUT FLOAT & BUCKET	CLEAN DROP CLOTH
DRILL WITH 3/16" & 5/8" DRILL BITS	1/8" PLASTIC TILE SPACERS	PLASTIC SHEETING
LEVEL	SHEET ROCK SCREWS	3" SCREWS
CAULKING GUN	WOOD SHIMS	CIRCULAR SAW
PHILLIPS HEAD SCREWDRIVER	1/2" CEMENT BOARDS	BRACES TO SECURE WALL PANELS
or PHILLIPS DRILL BIT	HOLE & 4" TILE BLADES	DRAIN
4" HAND-HELD MAKITA GRINDER	(Diamond Tip Blades recommended)	SILICONE FOR CAULKING GUN
MEASURING TAPE	GROUT (See page 12)	(See silicone recommendations Page 8)



CHECK YOUR SHIPMENT AGAINST APPROPRIATE PACKING LIST

Make sure you have received all the items necessary for the installation. This will also familiarize you with all the parts and hardware you will need to install your shower. Package contents are dependent upon which package you ordered: Basic or Glass.

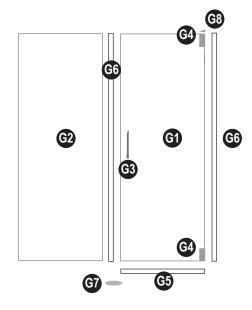


SISTINE STONE PAN

- Metal Leak-Free Reinforced Pan
- P2 Door Rail (1) (Reversible)
- Panel Channel Rail (1)
- P4 Floor Trim (5)

SISTINE STONE WALL PANELS

- W Back Panels (2)
- W2 Side Panels (4)
- W3 Back Solid Stone or Mosaic Liner (1)
- W4 Side Solid Stone or Mosaic Liners (2)
- Mo Door Side Thresholds (3) (Reversible) + Top Cap
- Panel Channel Side Thresholds (3) + Top Cap 24" x 12" Extra Tile Pieces (not shown)



HINGED GLASS DOOR

- Glass Door (Reversible)
- G2 Fixed Glass Panel (Reversible)
- **G3** Door Handle
- G4 Heavy Duty Hinges (2)
- G5 Door Sweep
- G6 Door Seals (2)
- Matching Drain Assembly
- 63 Hinge Wall Bracket

OPTIONAL ITEMS





PRE-INSTALLATION TEAR DOWN



TIME REQUIRED 8-16 HRS

This shower system is designed to be installed on a level, bare floor. It is necessary for any existing shower to be completely removed.

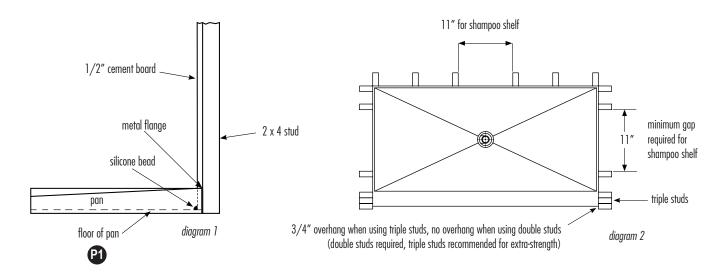
Tear out and remove all old material to expose the 2 x 4 wall studs. Clean up the shower area, removing all dust and old material from the area.





TIME REQUIRED 1/2 to 1 HR

It is easier to check alignment of studs and pan \bigcirc without the drain installed into the pan. Place the pan in the planned position. Check to see that the spacing between the metal pan flange and 2 x 4 studs are flush. Some shimming or sanding of the 2 x 4 studs may be required to flush the studs with the metal pan flange. When screwing in the 1/2" cement board the metal flange will pull fast to the studs, and will secure the metal pan in place. (diagram 1)





2 x 4 STUDS ALIGNMENT & POSITIONING



TIME REQUIRED 1/2 to 1 HR

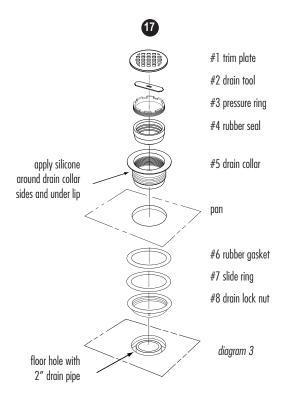
Using the pan P1 and W1 and W2 wall panels, you will be able to check to make sure your 2 x 4 studs are in the needed position and supported adequately. You will see in (diagram 2) extra 2 x 4 studs are added to the door and glass side thresholds for extra strength. You may need to make adjustments for your faucet or optional shampoo shelf. When you place the bottom sections of the wall W1 or W2 into the shower pan P1, you can also calculate the needed width and height of areas to keep free of 2 x 4 studs. (See installation instructions included with the faucet or shampoo shelf)



INSTALLING MATCHING DRAIN ASSEMBLY



TIME REQUIRED 1/2 to 1 HR

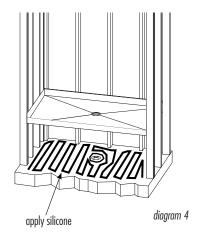


- 1. Locate the drain assembly 67 to install into pan P1
- 2. Apply a generous bead of silicone around the shower pan drain hole and around the outside of the drain collar #5, insert the drain collar #5 into the drain hole.
- 3. Apply a generous bead of silicone around the drain collar #5 from the underside of the pan.
- 4. Install the rubber gasket #6 over the drain collar #5, to the underside of the pan, next install the slide ring #7.
- 5. Screw on the drain lock nut #8 and hand tighten. Turn drain lock nut #8 approximately 1/4 turn with the wrench to ensure a water-tight fit. Check for a good seal. DO NOT OVERTIGHTEN.
- Wipe off excess silicone and allow silicone to dry. Follow the manufacturer's directions for application and drying time.

SEE SILICONE RECOMMENDATIONS PAGE 8







- 1. Now that the drain is installed into the pan dry fit the pan and drain for alignment, check to make sure the 2" drain pipe is in the center of the pan drain hole. (diagram 2) Use the drain collar #5 by itself; remove the rubber seal, nut and gaskets from the drain assembly. (diagram 3, previous page) Push the drain collar #5 into the drain hole between the pan and the 2" pipe. With the drain collar pushed flush to the pan surface, the 2" drain pipe should not extend past the inside threads of the drain collar #5.
- 2. Make sure the pan and drain fit level to the floor
- 3. Remove pan and apply adhesive to floor
- 4. Carefully lift the shower pan and set into place. Make sure the ABS pipe is still centered.
- 5. Push and secure the rubber seal #4 onto the 2" ABS pipe.
- 6. Thread on the brass pressure ring #3 around the drain pipe with the provided tool #2. Remove the tool after the brass pressure ring is installed.
- 7. Test and snap the decorative diamond trim plate #1 into position. (Remove the decorative trim plate and store in secure area until installation is complete, drain will be grouted when shower is arouted).
- 8. After installing pan, cover with cardboard or drop cloth to protect pan from scuffs.



CEMENT BOARD INSTALLATION



TIME REQUIRED 1-2 HRS

We recommend the use of 1/2" thick cement board as your shower backer. This is a common backer for stone and tile. Using this backer will help comply with almost all city codes. A cement-based product like Wonderboard or Hardibacker may also be used if it meets your local codes. Some codes require a vapor barrier to be installed as well. We recommend a water/vapor barrier of 6 mil. plastic be installed before installing the cement board. To do this, staple plastic so that it hangs 1" above the floor. Roofing nails may be used to attach the cement board instead of screws, this prevents the plastic from wrapping around the screws.

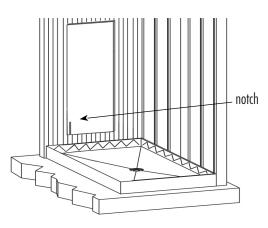


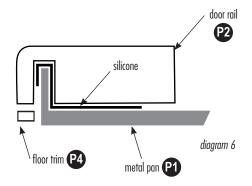
diagram 5

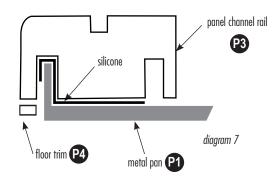
- IMPORTANT: Use your cement board as an indicator of squareness. The cement board comes in square sheets. If you see gaps or areas where the cement board is not fitting flush, fix the problem by removing the cement board and shimming the board until it's square and flush. If the seams of the cement board are not flush and square, your wall panels will not be square and flush.
- 2. Cut a notch in cement board to fit around threshold. Sanding or shimming the 2 x 4's at the top rim of the pan may be required to flush the cement board. (diagram 5)
- 2. Place a bead of silicone on the front INSIDE face of the shower pan flange. The bead should be in a zig-zag pattern.
- 3. Place the cement board against the studs and rest it inside the shower pan against the back flange. Attach the cement board to the studs with screws or nails. Do not screw or nail into the shower pan flange.
- 4. Continue installing the remaining cement boards.

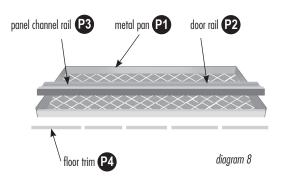


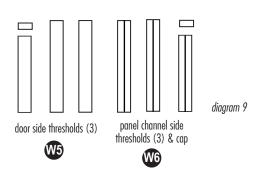
PAN & WALL THRESHOLD TRIM











A - Pan Threshold

- Locate the 2 rail pieces **P2 P3** (diagram 6) (diagram 7)
- Dry fit **P2 P3** onto the front of the metal pan **P1** . **P2** the door rail is 1" shorter than the P3 panel channel rail. The P2 door rail is reversible and can be placed on the left or right. (diagram 8)
- 3. Remove and place silicone on bottom of rails and in bottom channels, re-install.
- 4. The floor trim pieces (P4) are usually installed at the end of the installation. Depending on the thickness of your bathroom floor, will determine how you place the floor trim. The floor trim can be placed 3/4'' high or 1'' high depending on your floor thickness, the $\mathbf{P4}$ pieces can be trimmed if needed.

- Wall Threshold Trim

- Locate W5 door side thresholds.
- Locate W6 panel channel side thresholds & cap.
- To help with the side threshold installation, use a level and draw a plumb line from the inside of the pan threshold up to the top of the shower. Do this on both sides. This line will be where the side rails and the wall tiles meet, this will give you a visual reference point when dry-fitting your wall tiles.
- Apply silicone, using a circular pattern, to the cement board along the plumb line, approximately 4 inches wide, to the edge of the shower pan. (diagram 10)
- 4. Place the first side threshold into position, making sure to align the side rail with the vertical plumb line previously drawn on the cement board. Apply pressure to the side threshold to bond it to the cement board. The side threshold will flush with the inside of the shower pan threshold and have a small gap where the pan threshold slopes. (diagram 11)
- Place the remaining side thresholds into position, 3 to each side. Make sure to use a level and the plumb line previously drawn on the cement board to align the side thresholds vertically.

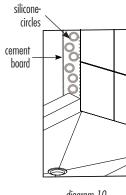


diagram 10

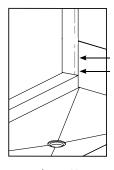
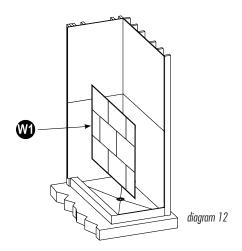
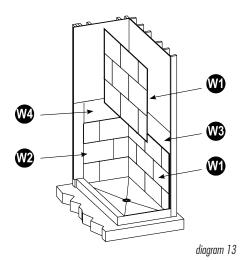


diagram 11

A - Inspecting Wall Panels/Liners

Inspecting panels at this point will give you confidence that the wall panels are straight and square from the factory. When installing wall panels, you may need to make adjustments to the panels to accommodate for unevenness of your existing walls. During the inspection process and/or dry-fitting process, if you have any concerns about the alignment or fit of the wall panels, please call 1-800-454-2284 for customer service, and we will gladly assist you with your installation.





- 1. Find a large empty area to layout and inspect all panels.
- 2. Align all panels and liners to check for straightness. Make sure grout lines are straight and square to each other.
- 3. Sistine Stone wall panels are made to be flexible and may have a slight bow. This condition is normal and wall panels will flatten out when properly installed. If wall panels have been stored improperly or have become excessivly bowed, they can be easily flattened before installation (See trouble shooting section on last page for details).

B - Dry-fit Wall Panels/Liners

- 1. Place your first bottom back panel into position. (diagram 12). Rest panel onto the pan floor; use spacers between the floor and the panel to make the top of the panel level.
- 2. Place the back liner **\text{W3} into position. Make sure the grout lines are aligned, use spacers to make the top is level. Inspect the spacing between the wall panels and the side threshold plumb line. _
- 3. Place the top panel into position, push the two panels together. Make sure the grout lines are aligned, use spacers to make the top of the panel level. Inspect the spacing between the wall panels and the side threshold plumb line.
- 4. Depending on your cement board alignment, some sanding of the wall panel edges may be required for a tight fit.
- 5. Holding the upper panels and liner in place with screws and blocks or another person, check the length and overlap alignment. Some fitting may be required.
- 6. Place one of the bottom side panels **W2** in position check for level and length.
- 7. Place the side liner **W4** into position. (diagram 13)
- 8. Place one of the top side panels **W2** into position.
- 9. Repeat steps 6 through 8 for other side of shower
- 10. Depending on your faucet selection, you may need to mark and cut out holes for your faucet to fit through before you can place the panel into position. Remember "measure twice, cut once", you can cut our walls with most cutting tools.

(See installation video at www.americanbathfactory.com). Now you can check for levelness and grout line alignment and spacing between walls and plumb line.

Preliminary Information for Wall Installation SILICONE RECOMMENDATIONS

We recommend using **GE Silicone II Window and Door 100% Silicone** throughout this installation as well as for your wall panel silicone. During our tests we have found that using this silicone gives the best results. Use this silicone whenever the installation guide refers to the use of "silicone". Depending on the size and threshold type of your shower, you will need from 10 - 20, 9.8 oz. tubes of silicone to complete your shower installation.

DO NOT USE any Mastic, Mortar based Thin Sets or "Liquid Nails". These will not cure properly between the two non-porous surfaces of the shower.

The use of a Water Barrier will also adversly affect the bond between the wall panels and the cement board.

Warranty coverage only extends to the brand and type of silicone we recommend and applied per the manufacturer's directions and recommendations.

Recommendations for applying GE Silicone II Window and Door 100% Silicone to Wall Panels

- 1. Apply a 1/4" thick continuous bead of silicone along the perimeter if the wall panel, 1/2" in from the edge.
- 2. Use a circle pattern to cover the rest of the backside of the wall panels, leaving 3"-4" between each 1/4" bead. (diagram 14)
- 3. Also apply silicone to the cement board. Apply in the same manner as steps 1 & 2.

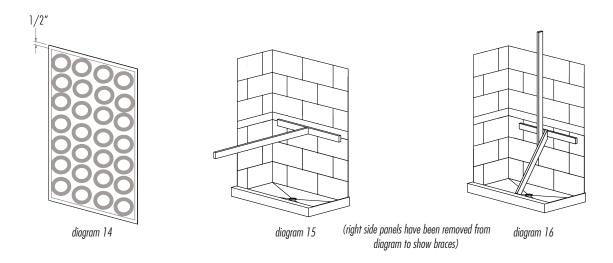
It is very important to ensure complete coverage of silicone to achieve the best bond. The steps listed above are only recommendations and are meant to supplement the specific manufacturer's directions. You may need to brace the wall panels in place while the silicone dries. Refer to the manufacturer's recommendations for coverage of the silicone to determine the proper amount you will need for the project based on your shower size.

Depending on the size and threshold type of your shower, you will need from 10 - 20, 9.8 oz. tubes of silicone to complete your shower installation.

Tips for bracing Wall Panels

If you use the recommended silicone, and apply it correctly, the wall panels will stick to the walls without any bracing required. If the studs or cement board surfaces are not perfectly even or square, the edges of the wall panels may not stay flush. If this happens, we recommend using a brace to hold the wall panels in place until the silicone dries. Your bathroom layout and shower style will determine the method you use to brace the wall panels.

- 1. Always protect the wall panel tiles and shower pan floor from damage. Make sure the braces will not scratch the wall tiles. Use a piece of plywood or a 2 x 4 to distribute the force across the largest surface area.
- 2. Brace the wall panels using a horizontal brace from one wall to the opposite wall. (diagram 15) Measure and cut a 2 x 4 or use an expandable curtain rod or telescoping painter's pole. Cut the 2 x 4 larger, so it has to be pushed into position or use shims to apply pressure on the wall panels.
- 3. Brace the wall panel from the shower pan threshold to the wall panel. Measure and cut a 2 x 4 to fit between the shower pan threshold and the wall panel. Apply weight downward on the wall panel side or place a 2 x 4 vertically between the ceiling and the top of the brace. Push down on the angle brace and Measure and cut a 2 x 4 screw it to the vertical 2 x 4 that is pushing on the ceiling. (diagram 16)
- 4. Leave the braces in place until the silicone has completely dried. Refer to silicone manufacturer recommendations for drying time.



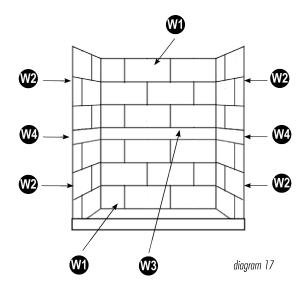


WALL PANEL/LINER INSTALLATION (continued)



TIME REQUIRED

3-4 HR



C - Installing Panels

- 9. Sand the backside surface of the wall panels with 60 grit sandpaper. This will increase the bond to the silicone. Remove all dust and dirt with a clean dry cloth.
- 10. Start with the bottom panel apply a generous amount of silicone to the cement board and to the back side of the wall panel. Refer to "Silicone Recommendations" on previous page for applying silicone. Also refer to the manufacturer's recommendations for application and drying time.

✓ Braces may be required to keep walls flush

- 11. Press the wall firmly into position. Be sure to use spacers between the bottom panel and the shower pan to ensure panel is level. (diagram 17)
- 12. Install the panels in the following same order as you dry-fitted the panels.















OPTIONAL SHAMPOO SHELF INSTALLATION



TIME REQUIRED

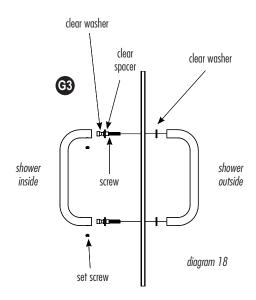
1/2 - 1 HR

- 1. The Shampoo Shelf was designed to fit between two studs, the cut-out hole size is 10 x 22".
- 2. There is a 1" lip or frame around the Shampoo Shelf, this will be the water sealed area for the Shampoo Shelf.
- 3. The best way to cut the hole is with a small 5" round diamond blade, and with a jigsaw to cut the corners.

 See detailed instructions enclosed with Shampoo Shelf
- 4. On the tiles the Shampoo Shelf will be replacing, mark 1" from the outside of the grout line, the cut-out area will be 10" x 22". Cut out the hole for the Shelf. The smaller the hole the better.
- 5. Dry-fit the Shampoo Shelf for alignment of grout lines.
- 6. Silicone in-place with a generous bead around the back of the lip, wipe off excess silicone with tissue.

12)

GLASS DOOR HANDLE & HINGE INSTALLATION



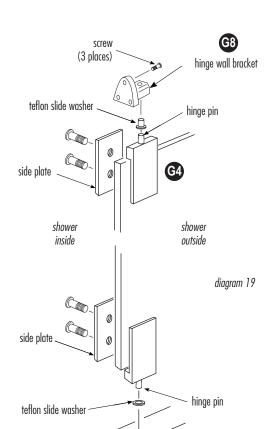
A - Handle Installation

1. Set the glass door in a position to enable the assembly of the handle $\mathbf{G3}$. (diagram 17)



Be careful not to rest the edges of the door on hard surfaces. Tempered glass is very strong and impact resistant but its weakest point is impact on the edges.

- 2. Loosen the set screws so you can separate the handles. **G3**
- 3. Unscrew the long bolt from the handle. Keep all rubber pieces attached to the screw.
- 4. Remove the first set of flat, clear washers from the bolt.
- 5. Start with the top hole on the glass door. Place the long bolt through the hole in the door (keeping the remaining rubber pieces on the bolt). On the other side of the glass place the flat washers onto the threaded portion of the bolt. (diagram 18)
- 6. Take one side of the handle and screw the long bolt into the end. Just start the bolt until a few threads catch. Keep loose.
- Put the second bolt through the lower hole. Place the flat washer onto the bolt. Screw the bolt into the bottom handle.
- 8. Align the handle on the door and carefully tighten the long bolts. Do not over tighten.
- 9. Place the opposite handle over the long bolts and tighten the set screws to secure the handle.

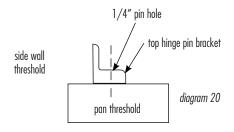


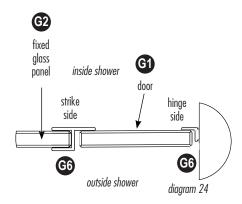
B - Hinge Installation (already installed on door)

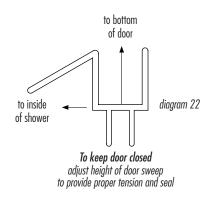
- 1. Locate the top hinge G4 and remove the side plate by loosening the two screws. (diagram 19)
- 2. Place the hinge into the top cutout on the door so the screws will be facing into the shower and install the side plate. Tighten the screws until the hinge is secure. Make sure the hinge is centered in the cutout and that the screws are facing into the shower.
- 3. Repeat these steps for the bottom hinge.

C - Dry-fit Fixed Glass Panel & Glass Door

- 1. Gently insert the side glass panel into the channels. You will be adjusting the fixed glass panel so it is level with door and has an even 1/4" gap between the door and the fixed glass panel. Use rubber setting block to adjust height and level if necessary.
- 2. Next, to determine the position of the bottom hinge pin hole, place the top hinge pin bracket upside down on bottom pan threshold as a template. (diagram 20, next page) Align bracket hole to center of side glass panel. Mark the hole and remove the bracket. Carefully drill 1/4" hole for hinge pin approximately 1 1/2" deep into the pan threshold.
- 3. Pick up the door you have installed the hinges and handle onto, and gently place the bottom hinge pin into the 1/4" hole you have drilled into the pan threshold (making sure you have the teflon slide washer on the pin).







D - Install Fixed Glass Panel & Glass Door

1. With someone helping to hold the shower door, place the top hinge mounting bracket over the top hinge pin (making sure you have the teflon slide washer on the pin). Check to make sure door is vertically level, then mark with a pencil through the 3 holes on top hinge mounting bracket. Move door and top hinge mount to one side and pre-drill the holes into the studs. The drilled holes should be large enough so the screws don't bind in the stone, Insert and tighten screws. After dry-fitting the fixed panel into the correct alignment, remove the glass, and place a 1/4" silicone bead into the channels. Re-insert the fixed glass panel and check alignment again. Let dry.

We have provided door seals for water sensitive areas such as wood floors. If glass panels and door are installed correctly with the proper spacing, outside water spillage will be minimal and the side seals won't be necessary. The door sweep is what keeps the door closed. Adjust the door seal until the required tension is achieved. If you would like to use these side seals, follow the steps below.

- 2. The L shaped seal goes along the hinge side of the door on the threshold trim pieces. (diagram 21)
- 3. Place the seal along the edge of the glass and cut the seal to the proper length.
- 4. Remove the backer from the seal exposing the 2 sided tape, only remove a small amount at a time.
- 5. Starting from the top, align the seal along the edge of the door and stick the seal to the threshold.
- 6. Work your way down the door. Do small sections at a time, slowly peeling the backer off the seal.
- 7. Locate the plastic H shaped seal 66 . It goes on the fixed glass, next to the handle edge. (diagram 22) Measure and cut the seal to length.
- 8. Starting from the top, push the seal onto the door, slowly working your way down the door.



Your American Bath Factory shower has a non-porous tile surface, which makes it easy to clean. Grout used must contain an ACRYLIC ADDITIVE to ensure proper bonding to the tiles. We suggest you add grout to every grout line and seam in the shower.

- 1. Recommended grout: Custom Building Products, Polyblend #122 Linen, Non-Sanded Ceramic Tile Caulk, Model # PC12210N or Snow White #11 Model # PC1110S. Available at your local hardware or tile store.
- 2. Follow the grout directions for specific application instructions, a water-based non-sanded grout is recommended.
- 3. If you desire a powdered grout in similar colors such as Linen or Snow White, use an acrylic additive to ensure bonding.

Note: Grout is not covered by ABF Warranty.

CARE & MAINTENANCE OF YOUR SHOWER SYSTEM

DO NOT CLEAN SISTINE STONE WITH PAINT THINNER, ACETONE, LACQUER THINNER, M.E.K., SCRUBBING BUBBLES or other chemicals that attack the structural integrity of Resin Based Stone. Use of these chemicals will destroy the surface of the stone and void your warranty. Soapy water, ammonia based cleaners & Comet or any non-abrasive cleanser will remove most dirt and residue from all types of finishes. For stubborn stains you may use a non-abrasive Scotchbrite pad. "Lightly" scrub the stained area in a circular motion to avoid discoloration. The stone is naturally waterproof and will not absorb spills or soil, simply wipe away with a damp sponge. Periodic cleaning with a sponge and warm, soapy water will remove any build up of dust or grime.

SHOWER SYSTEM TROUBLESHOOTING

Correcting Bowed Wall Panels Sistine Stone Wall Panels are made to be flexible and may have a slight bow. This condition is normal and the panels will flatten when properly installed. If the panels have been stored improperly or have become excessively bowed, follow instructions below. Using a heat gun or propane torch, heat the backside of the panel in the most bowed area. Hold the torch a few inches away and move the torch back and forth over the area. After the panel becomes malleable, lay panel on a flat surface and apply weight until cool and flat. (wall thresholds work well, refer to Installation Guide Packing List).

Cracked Tile As with any tile project, a tile can become damaged. Simply cut out the damaged tile, silicone a replacement tile in place, and grout. **Cracked Wall Panel Seam** If your wall panel developes a crack in a grout line, simply grout over the cracked seam when it is installed. The grout will correct the problem, you will not be able to tell the crack was ever there.

Scratches & Blemishes Can be removed by wet-sanding the tile surface. Make sure tile surface and sandpaper are wet, and sand tiles until scratches and blemishes are removed.

