Revolutionary Shower Systems LLC.
3558 E Comstock Ave #6
Nampa ID. 83687

PRO Series specs and installation instructions
Prepared by: Dakota Martin
Updated: 6/9/2023

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RSS PRO Shower Pan (Standard Sizes)

Installation Instructions

1. Ensure that the installation area is free and clear of all dirt and debris. Ensure substrate is clean, smooth, and level, removing any and all of the following: high spots, nail/screw heads, staples, and dried or stuck-on mortar/concrete/drywall mud. Remove any paint/primer, silicone, or glues from the installation area as they may weaken the bond.
2. Dry fit the RSS PRO Shower Pan into the installation area to ensure proper fit and to determine the exact area that mortar will need to be applied in the following steps.
3. Once the installation area is prepared, dampen it with a wet sponge to promote a good bond and prevent the substrate from drying the mortar too quickly.
4. Apply a skim-coat of mortar with the flat side of the trowel to the substrate in the entire installation area, then apply mortar to the entire installation area with a ⅜" or ½" square notch trowel. Be sure to use Directional troweling in the shortest direction so that air can escape as the mortar ridges are compressed when the pan is installed in the following steps. This ensures proper bonding can occur. Apply a skim coat of mortar to the bottom (non-sloped) surface of the RSS PRO Shower Pan.
5. Once all mortar has been applied appropriately to all required surfaces, place the RSS Shower Pan (flat side with skim coat facing DOWN, sloped side facing UP) straight down onto the mortar bed in the installation area.
6. Seat the RSS Shower Pan into the mortar bed by pressing down. Use gentle pressure first and increase pressure as the RSS Shower Pan beds into the mortar. Once you are sure the RSS Shower Pan is laying flat and contacting the mortar bed along the entire bottom surface, finish seating the RSS Shower Pan by stepping onto it. Use your body weight to press the pan firmly into the mortar, applying pressure to the whole pan by standing or walking along the entirety of the pan's surface. For larger pans, shifting your weight by "shimmying" may be required.
7. If the RSS Shower Pan is seated correctly you can expect excess mortar to squeeze out along the edges of the pan and at the drain hole. It may be necessary to apply pressure directly to the drain flange gently by hand or with a float to ensure it is flat and properly bedded.
8. It may be necessary to apply additional mortar between the edge of the pan and the walls of the shower area with a hand trowel or margin trowel.
9. Remove any mortar that has squeezed out around the drain hole or along the exposed edges of the pan with a trowel. Clean the area around the drain hole and along the exposed edges of the pan with a damp sponge. If the excess mortar is allowed to dry it may interfere with the installation of other shower components such as the RSS PRO Curb, RSS Waterproofing Membrane, RSS Waterproofing Seam Banding, or RSS Prefabricated Corners.
10. Once the RSS Wallborads are installed be sure to apply an addition bead of RSS Sealant to the change of planes where the walls meet the pan with a corner trowel.

Product Specifications

Pan Material: High-density foam core.
Surface reinforcement: Fiberglass mesh and concrete.
Waterproofing: Three coat rubberized
Pan Thickness at perimeter: 1½"
Slope: ¼" per foot minimum
Drain Location: Centered only
Compatible drains: RSS by FloFx only
Available Sizes: 3'x5' | 4'x4' | 4'x5' | 4'x6' |6'x6'

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RSS PRO Shower Pan (Custom)

Installation Instructions

1. Ensure that the installation area is free and clear of all dirt and debris. Ensure substrate is clean, smooth, and level, removing any and all of the following: high spots, nail/screw heads, staples, and dried or stuck-on mortar/concrete/drywall mud. Remove any paint/primer, silicone, or glues from the installation area as they may weaken the bond.
2. Dry fit the RSS PRO Shower Pan into the installation area to ensure proper fit and to determine the exact area that mortar will need to be applied in the following steps.
3. Once the installation area is prepared, dampen it with a wet sponge to promote a good bond and prevent the substrate from drying the mortar too quickly.
4. Apply a skim-coat of mortar with the flat side of the trowel to the substrate in the entire installation area, then apply mortar to the entire installation area with a ⅜" or ½" square notch trowel. Be sure to use Directional troweling in the shortest direction so that air can escape as the mortar ridges are compressed when the pan is installed in the following steps. This ensures proper bonding can occur. Apply a skim coat of mortar to the bottom (non-sloped) surface of the RSS PRO Shower Pan.
5. Once all mortar has been applied appropriately to all required surfaces, place the RSS Shower Pan (flat side with skim coat facing DOWN, sloped side facing UP) straight down onto the mortar bed in the installation area.
6. Seat the RSS Shower Pan into the mortar bed by pressing down. Use gentle pressure first and increase pressure as the RSS Shower Pan beds into the mortar. Once you are sure the RSS Shower Pan is laying flat and contacting the mortar bed along the entire bottom surface, finish seating the RSS Shower Pan by stepping onto it. Use your body weight to press the pan firmly into the mortar applying pressure to the whole pan by standing or walking along the entirety of the pan's surface. For larger pans, shifting your weight by "shimmying" may be required.
7. If the RSS Shower Pan is seated correctly you can expect excess mortar to squeeze out along the edges of the pan and at the drain hole. It may be necessary to apply pressure directly to the drain flange gently by hand or with a float to ensure it is flat and properly bedded.
8. It may be necessary to apply additional mortar between the edge of the pan and the walls of the shower area with a hand trowel or margin trowel.
9. Remove any mortar that has squeezed out around the drain hole or along the exposed edges of the pan with a trowel. Clean the area around the drain hole and along the exposed edges of the pan with a damp sponge. If the excess mortar is allowed to dry it may interfere with the installation of other shower components such as the RSS PRO Curb, RSS Waterproofing Membrane, RSS Waterproofing Seam Banding, or RSS Prefabricated Corners.
10. Once the RSS Wallborads are installed be sure to apply an addition bead of RSS Sealant to the change of planes where the walls meet the pan with a corner trowel.
11. NOTE: if the pan is in more than one piece be sure to apply adequate amounts of RSS Sealant to the joint or included notches. Failure to fully waterproof the seems in a 2 piece pan will result in leaks. Seams in the pan can also be waterproofed by applying RSS Seam Banding over the length of the seam with mortar or RSS Sealant.

Product Specifications

Pan Material: High-density foam core.
Surface reinforcement: Fibergalss mesh and concrete.
Waterproofing: Three coat rubberized.
Pan Thickness at perimeter: 1½"
Slope: ¼" per foot minimum.
Compatible drains: RSS by FloFx only.
Available Sizes: "if you can dream it…"

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RSS PRO CURB

Installation Instructions

1. Installation of the RSS PRO CURB generally occurs directly following the installation of an RSS PRO Pan and RSS by FloFx Universal Drain Bonding Flange.
2. Ensure that the installation area is free and clear of all dirt and debris. Ensure substrate is clean, smooth, and level, removing any and all of the following: high spots, nail/screw heads, staples, and dried or stuck-on mortar/concrete/drywall mud. Remove any paint/primer, silicone, or glues from the installation area as they may weaken the bond.
3. If needed, cut the RSS PRO CURB to size with a chop saw. Cut the RSS PRO CURB ¼" shorter than the opening to leave a ⅛" gap for mortar between the ends of the curb and the walls. Dry fit the cut RSS PRO CURB into the installation area to ensure proper fit and to determine the exact area where mortar will need to be applied in the following steps.
4. Once the installation area is prepared, dampen it with a wet sponge to promote a good bond and prevent the substrate from drying the mortar too quickly.
5. Apply a skim-coat of mortar with the flat side of the trowel to the substrate in the entire installation area, then apply mortar to the entire installation area with a ⅜" or ½" square notch trowel. Apply mortar to the walls where the curb terminates. Be sure to use Directional troweling in the shortest direction so that air can escape as the mortar ridges are compressed when the curb is installed in the following steps This ensures proper bonding can occur.
6. Apply RSS Sealant to the edge of the RSS PRO Pan where it will meet the curb.
7. Apply a skim coat of mortar to the bottom surface of the RSS PRO CURB and to each end of the curb that will meet the walls. Be sure to apply RSS Sealant to the portion of the curb that will integrates the pan.
8. Once all mortar and sealant has been applied appropriately to all required surfaces, place the RSS PRO Curb down onto the mortar bed in the installation area.
9. Seat the RSS PRO Curb into the mortar bed by pressing down and into the pan. Use gentle pressure first and increase pressure as the curb beds into the mortar. Once you are sure the curb is laying flat and contacting the mortar bed along the entire bottom surface finish seating the RSS TRC by pressing firmly down into the substrate and in toward the pan.
10. When the RSS PRO Curb is seated correctly you can expect the excess motor and sealant to squeeze out along the edges of the curb. There may be large quantities of excess mortar where the curb meets the walls. If no squeeze-out occurs, It may be necessary to apply additional mortar with a hand trowel or margin trowel to the areas where ends of the curb meet the walls. Ensure that all edges that make contact with another component of the shower are fully packed with mortar.
11. With a hand trowel or margin trowel, remove any mortar that has squeezed out along the exposed edges of the curb or where the curb meets the walls.
12. Clean the exposed edges of the curb and where the curb meets the pan or the walls with a damp sponge. If the excess mortar is allowed to dry it may interfere with the installation of other shower components such as the RSS Waterproofing Membrane, RSS Waterproofing Seam Banding, or RSS Prefabricated Corners.
13. Once the RSS PRO CURB is installed be sure to apply an additional bead of RSS Sealant to the change of planes where thecurb meets the pan or walls with a corner trowel.

Product Specifications
Material: High-density foam.
Dimensions: Height: 4"-- Width:4½"-- length: 5' (60")
Waterproofing: Three coat rubberized.
Available Sizes: Custom sizes are available (Pricing may vary)

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RSS PRO WALLBOARD

Installation instructions

1. Ensure installation area is clean, smooth, and level, removing any and all of the following: high spots, nail/screw heads, staples, and dried or stuck-on mortar/concrete/drywall mud. Remove any silicone, or glues from the installation area as they may hold the wallboard away from the stud.
2. Always install in a layout that minimizes seems by using full length across the wall whenever posible. The ideal layout will differ based on the size of wallboard you are using and the size of the installation area. Always place vertical seems on the center of a stud or a backer atached to the sill and top plate of the wall. Bridging vertical seems between studs even with an nonatached backer is not allowed. When it is necessary to cut a sheet, mark it accurately and cut through one side with a razor knife and a straight edge. Then snap the board and cut the reinforcement on the other side with a razor knife.
3. Attach the wallboards using only RSS washers and screws into the studs every 12”. It is recomended that you tighten the screws enough that they do not protrude out from the face of the wallboard. Do not over tighten as this may cause the washer to pull through the wallboard. When attaching screws at a seam between two wallboards place the cswerr between the sheets so that thewasher grabs both wallboards.
4. If using with an RSS PRO Pan, generously apply a continuous bead of RSS Sealant into the integrated wallboard slots then press the wallboard into the sealant beed.
5. When adding subsequent sheets, generously apply a continuous bead of RSS Sealant to the edges of the existing sheets that the new sheet will butt into. Press the new sheet into the bead of RSS Sealant (squeeze out is expected) to ensure a water tight seem. Attach sheet with RSS Washers and Screws with 12” spacing.
6. Throughout the instalation use a disposable 2” spreader, a margin trowel, or a disposable corner trowel to spread the squeeze out along all seems. If there is no squeeze out add an additional bead of sealant to the face of the wallboards along the seem then spread the sealant along the seem. It is not suggested to scrape off or remove any excess sealant or squeez out, rather, spread it along the seem.
7. When installing a subsequent sheet in a corner or change of plane generously apply a continuous bead of RSS Sealant to the face of the existing wallboard where the new sheet will butt into it. Press the new board into the sealant bead (squeeze out is expected) to ensure a water proof seem. Use a dispsible corner trowel to spread the squeeze out along the corner joint. If there is no squeeze out apply an additional bead of RSS Sealant directly into the corner joint and spread along the seem with a corner trowel.
8. Once all wallboards have been correctly installed With RSS Washers and Screws and RSS Sealant it is required that RSS Sealant be applied over every Screw head and washer. Apply a large dab of RSS Sealant directly onto each washer and spread smooth covering them completely.
9. Apply a bead of RSS Sealant along every seem and change of plane and spread over with a spreader or corner trowel.

Product Specifications
Material: High-density foam core.
Coating: Concrete and fiber glass reinforcement.

Available Sizes: 3’X5’ | 4’X6’ | 4’X8’

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RSS PRO NICHE

Installation instructions

1. The RS PRO Niche can be used BOTH with RSS PRO Wallboards and when RSS Waterproof Membrane is applied to sheetrock. If posible, plan a rough location for your niche before studs are covered. The RSS PRO Niche is desinged to be installed in between studs with traditional 16” on center framing. If framing is inconsistant or irregular you may be required to add a vertical stud where needed or frame in braceing so that the niche can be attached sufficiently. Horizontal bracing should be installed between studs above and below the niche location so that attachments can be made at the top and bottom flanges of the niche (locations determined by size of niche and niche placement). The niche is to be centered between studs in a way that the flanges cover HALF (¾”) of the stud on either side. Doing so ensures that there is room available to attach RSS PRO Walboards or sheetrock to the same stud that the niche is attached to. Niche flanges, wallboard edges, and sheetrock edges must always be attached suficeintly to studs and NEVER left unsuported.
2. When chosing a height for the niche it may be helpful to consider asthetics, ease of access AND TILE LAYOUT. While not required for installation, carefully consider the size of the wall tile and grout joints. Try to place the niche at a height that minimizes or eliminates small cuts, or lines up with a grout joint.
3. It is common to install the niche when sheetrock or RSS PRO Wallboard has already been installed; This is not an issue. It is required, however, that appropriate bracing be installed inside the wall above and below the niche.
4. Once an exact location for the niche has been selected, mark the wall where cuts will be made with a pencil or marker. This can be done by holding the niche flange against the wall and tracing it tightly or by marking a horizontal line at the desired height up from the floor to use as a starting point when marking out the flange dimensions. It is CRITICAL that a level (and if desired, a framing square) be used when marking the area to cut away. If you cut the opening in the wrong location it can be dificult, costly, and time consuming to move the opening. Be sure that you are confident of stud locations. You will be making the vertical cuts along the center of the studs on either side of the instalation area. Be careful when cutting into the wall to avoid any plumbing inside the wall. When the area to be cut is correctly and clearly marked, use an oscillating multi tool to cut along the lines and remove the material.
5. Once the opening is made, dryfit the niche into the opening. If needed, additional matterial can be cut away from the wall so that the niche flange fits easily into the opening. NEVER CUT OR MODIFY THE NICHE OR NICHE FLANGES IN ANY WAY. When fitting properly, the niche flanges will sit flush with the sheetrock or RSS PRO Wallboards and be supported by the studs on each side.
6. Add horizontal bracing at the top AND bottom of the opening. This bracing should be installed with HALF (¾”) behind the wall sheeting and HALF (¾”) exposed for the flanges to attach to. After bracing is installed, dryfit the niche again.
7. When installing the niche apply RSS sealant to bracing and studs where the flanges will cover and, if applicable, to the back of the niche box where the niche box touches the sheetrock in the back of the opening.
8. If installing into RSS PRO WALLBOARD, attach with the provided washers and screws. Place the screws BETWEEN the RSS PRO Wallboard sheet and the Niche flange so that the washer grabs BOTH. Attach with a minimum of one screw every 12” around the entire flange to studs and bracing. Waterproof the flange to the RSS PRO Wallboard by applying a generous dab of RSS Selant to the heads of all washes and screws and abead to the seam between the RSS PRO Wallboard and the niche flange. Spread sealant flat.
9. If installing into sheetrock, attach with washers and screws a Minimum of every 12” around the entire flange. Ensure washers are only on the flange and not the sheetrock, do not overtighten. Be sure to attach the sheetrock to the horizontal bracing and to the studs. Waterproof the flange by either installing RSS Waterproof Membrane over the entire niche when you install the RSS Waterproof Membrane to the walls, then cut out the opening and fold excess membrane into the niche box. If RSS Waterproof Mebrane was installed before the niche opening was cut, apply RSS Seam banding over the entire flange area.

Product Specifications
Available Sizes: 16”X16”X4” | 16”X24”X4” | 16”X16”X4” Custom sizes are available. All custom sizes will still be 4” deep.

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RSS Decoupling Mat

Installation instructions

1. Ensure that the installation area is free and clear of all dirt and debris. Ensure substrate is clean, smooth, and level, removing any and all of the following: high spots, nail/screw heads, staples, and dried or stuck-on mortar/concrete/drywall mud. Remove any paint/primer, silicone, or glues from the installation area, if possible, as they may weaken the bond.
2. Measure and precut the Mat to the needed size. More than one piece is often required so you may need to prepare multiple pieces. It is common to cut the mat around corners, through door jams, and away from Plumming Features. This is most accurately done by laying the mat out were it is needed and cuting away to avoid the obstacles.
3. Once the installation area and the pieces of mat have been cut to size, dampen the substrate with a wet sponge to promote a good bond and prevent the substrate from drying the mortar too quickly.
4. Apply mortar to the floor with a 3/16”X 1/4” square-notch trowel in sections the width of the mat pieces. Ensure that the section is entirely covered with mortar.
5. Once the mortar has been correctly applied to the substrate section, apply the mat by pressing it firmly into the mortar. It may be helpful to work one piece at a time. Try to align the mat correctly the first time as it may be difficult and messy to remove it and reapply mortar.
6. Once the mat is aligned and pressed into the prepped surface, use a clean wide wooden float to press the mat into the mortar. Start at one end and work toward the other. Ensure the entire area is pressed firmly into the mortar and that any air trapped behind the mat is squeezed out.
7. As needed use a sharp utility knife or razor blade to cut around plumbing or fixtures that protrude out of the floor.
8. Excess mortar is likely to squeeze out along the sides. Remove it with a trowel and wipe the area clean with a damp sponge. This prevents buildup and ensures the area is clean and prepared for the next section.
9. RSS WaterProof Seam Banding can be applied at the joints to waterproof the area. Be sure that the banding overlaps the joint between mat pieces by a minimum of 2” on each side.
10. To install tile over RSS Decoupling Mat be sure to prefill the Mat with mortar. Then install tile as normal. It is easiest to work in one row or one section at a time.

Product Specifications
Material: plastic locking layer and felt
Dimensions: 39 ½“ wide. 323 sq. ft.

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FloFx Universal Drain Bonding Flange by RSS

Installation Instructions

1. The FloFx drain in installed after the RSS pan but before the RSS Waterproof Membrane is installed to the pans surface. It is installed directly into the drain flange seat on the pan.
2. Ensure that the installation area is free and clear of all dirt and debris.
3. Dry fit the FloFx Drain into the installation area to ensure proper fit with the plumbing or alignment with the adapter plate. The adapter plate is designs to be drilled, screwed and glued directly into the boltholes of the 3 piece clamp drain.
4. Apply a bed of mortar with a trowel to the substrate and the the pan flange, then apply mortar to the bottom of the FloFX drain flange filling the bonding cells.
5. Make sure that all conections to plumbing and adapters are glued or seald correctly for your application. Press the FloFx drain Flange into the morat bed. NOTE: you may have to connect any plumbing or adapter pieces at the same time you seat the flange into the mortar bed. Any and all plumbing conections and adapter pieces used in you aplication MUST be properly glued or sealed.
6. Once the Flo Fx Drain is installed into the pan the water proof membrane is applied the the pan surface with mortar. It is installed directly over the FloFx drain flange with mortar. Once the membrane has been installed use a utility knife or a razor blade to cut out the area of membrane over the drain opening.
7. Where the membrane ends at the drain hole should be sealed with a waterproof sealent
8. Once tile has been installed upto the drain and the layout is finalized the Shim Stacks, Grate Carrier and the temporary install plate can be installed with mortar.
9. After all grout has been installed and allowed to cure remeove the temperary install plate and install the drain grate into the grate carrier.

Product Specifications
Material: PVC or ABS

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RSS PRO SEALANT

Instructions for use

1. The area, where the sealant is to be applied, must be clean and free of grease, oil, and other contaminants or debris before application.
2. Cut the nozzle of the cartridge to desired bead size and puncture the inner foil seal.
3. Insert into standard caulking gun. While holding at an approximately 45-degree angle, apply by pushing sealant ahead of the nozzle to achieve a full, smooth seal.
4. If necessary, tooling may be performed. Clean up with warm water before drying; after the product has set, removal via mechanical methods is required.
5. Store in a cool, dry location at temperatures above freezing.

Product Specifications

Available Sizes: 10oz. tubes. 20oz. Sausage tubes