

Evolving Styles Rubber Tile & Sheet Installation

Review the [Flexco Substrate Preparation documentation](#) prior to the installation of the Radial Rubber Tile. It is the responsibility of the installation contractor to verify the adequacy of the substrate including porosity and adhesive prior to installation.

Read all literature concerning the product description, product limitations, substrate preparation, adhesive information, adhesive application, product installation procedures and warranty before installation. Deliver all materials to the installation location in its original packaging with labels intact. Inspect all material for proper type and color prior to installation.

Acclimation

Maintain product, adhesive & substrate between 65°F (19°C) and 85°F (30°C) for at least 48 hours before installation, during installation, and after installation to ensure proper product and adhesive functionality. Rolls should be opened and unrolled onto a clean area for acclimation. Ensure temperature of the substrate is within this range as well prior to installation. If installing over Radiant Heated Substrates, lower the temperature to 65°F (19°C) and the slowly raise the temperature after installation to a maximum of 85°F (30°C). Proceed with the installation only when the conditions are proper and correct and all other trades have completed their work.

Approved Adhesives for Installation

Select the appropriate adhesive for your installation, substrate and use. With any adhesive selection ensure that proper moisture and pH testing is performed and results are below limits listed below. A bond test should be performed at least 72 hours prior to the scheduled installation to ensure the substrate is suitable. We recommend pH testing to the latest revision of ASTM F 710, Preparing Concrete Floors to Receive Resilient Flooring and Relative Humidity Testing to the latest revision of ASTM F 2170, Determining Relative Humidity in Concrete Floor Slabs Using *in Situ* Probes using Wagner testing and recording equipment

Repel & IMO Formulations must be installed with 7200 Urethane Epoxy Adhesive.

- 2100 Spray-Grip Adhesive for Rubber Tile
 - Follow Label Instructions for Porous & Non-Porous Substrates
 - ASTM F 2170-11; Relative Humidity Method, 90%
 - pH, 11 or less
 - Low Peel Strength | High Sheer Strength when cured
 - Heavy Foot Traffic, Light Point & Rolling Loads, Consistent Temperatures, No Topical Moisture

- 3100 Rubber Tile & Tread Adhesive
 - Follow Label Instructions for Porous & Non-Porous Substrates
 - ASTM F 2170-11; Relative Humidity Method, 80%
 - pH, 10 or less
 - Medium/High Peel Strength | Medium Sheer Strength when cured
 - Heavy Foot Traffic, Light/Medium Point & Rolling Loads, Consistent Temperatures, No Topical Moisture
- 6100 Sports Flooring Adhesive
 - Follow Label Instructions for Porous & Non-Porous Substrates
 - ASTM F 2170-11; Relative Humidity Method, 80%
 - pH, 9 or less
 - High Peel Strength | High Sheer Strength when cured
 - Heavy Foot Traffic, Heavy Point & Rolling Loads, Inconsistent & Extreme Temperatures, Topical Moisture
- 7100 Low Viscosity Epoxy Adhesive
 - Follow Label Instructions for Porous & Non-Porous Substrates
 - ASTM F 2170-11; Relative Humidity Method, 80%
 - pH, 9 or less
 - High Peel Strength | High Sheer Strength when cured
 - Heavy Foot Traffic, Heavy Point & Rolling Loads, Inconsistent & Extreme Temperatures, Topical Moisture
- 7200 Urethane Two-Part Epoxy Adhesive
 - Follow Label Instructions for Porous & Non-Porous Substrates
 - ASTM F 2170-11; Relative Humidity Method, 75%
 - pH, 9 or less
 - High Peel Strength | High Sheer Strength when cured
 - Heavy Foot Traffic, Heavy Point & Rolling Loads, Inconsistent & Extreme Temperatures, Topical Moisture

Tile Installation

- Square the area and determine reference points for installation
- Apply adhesive according to the label directions and allow proper open time
- Whenever possible avoid any seams directly on seams in the substrate and borders less than half of the width of the material
- In large areas, blend material from several boxes to ensure a consistent appearance
- Do not install over expansion joints

- When laying the flooring, use a kneeling board, or for best results work off of the flooring whenever possible to prevent adhesive displacement
- If the adhesive is bleeding or oozing at the seams, there is too much adhesive or the adhesive is too “wet”, allow the adhesive to flash longer before placing additional tiles
- Immediately remove excessive wet adhesive with a soft, clean cloth dampened with warm soapy water
- Periodically, lift the tiles to check for proper adhesive transfer. There should be adequate adhesive transfer to the back of the tile
- Observe the adhesive to assure that the adhesive has not surpassed the open time and beginning to cure
- Cut borders and other specialty cut tiles to fit snugly, not tightly, against the wall, threshold, transition strip, fixtures, or other obstacles; forcing incorrectly sized tiles into smaller areas will cause buckling of the tile
- Leave approximately 1/8” gap around perimeter of room in case of expansion, ensure gap is no larger than the trim or wall base being applied
- Roll and cross roll each section of tile laid with a 100-pound 3section roller within 15 minutes after installation of the tile section. Adjust rolling times if necessary according to climate conditions. Use a hand roller in areas that cannot be reached with the larger roller. Conduct a visual inspection during the rolling process to assure there has been no shifting of the tiles and that there is no adhesive on the surface of the tile
- Do not wait until completing the entire installation before rolling as the adhesive may have surpassed the open time and cured. Roll and cross roll a second time approximately 30 minutes after the initial rolling.

Sheet Installation

- Square the area and determine reference points for installation
- Whenever possible avoid any seams directly on seams in the substrate and borders less than half of the width of the material
- Do not install over expansion joints
- Place lengths of material in the same direction as removed from the rolls overlapped for double cutting of seams
- Double cut seams to ensure proper fit prior to spreading of adhesive
- Double back half of the area to apply the adhesive
- Apply adhesive according to the label directions and allow proper open time
- Place material carefully into the adhesive so that no air becomes trapped to form bubbles under the sheet
- Roll and cross roll each section of tile laid with a 100-pound 3section roller within 15 minutes after installation of the sheet section
- Double back the other half of the area to apply the adhesive, ensure there is no gap in adhesive application at the middle of the sheet

- Roll and cross roll each section of tile laid with a 100-pound 3section roller within 15 minutes after installation of the sheet section
- If the adhesive is bleeding or oozing at the seams, there is too much adhesive or the adhesive is too “wet”, allow the adhesive to flash longer before placing additional tiles
- Immediately remove excessive wet adhesive with a soft, clean cloth dampened with warm soapy water
- When laying the flooring, use a kneeling board, or for best results work off of the flooring whenever possible to prevent adhesive displacement
- Periodically, lift the tiles to check for proper adhesive transfer. There should be adequate adhesive transfer to the back of the tile
- Observe the adhesive to assure that the adhesive has not surpassed the open time and beginning to cure
- Cut borders and other specialty cut tiles to fit snugly, not tightly, against the wall, threshold, transition strip, fixtures, or other obstacles; forcing incorrectly sized tiles into smaller areas will cause buckling of the tile
- Leave approximately 1/8” gap around perimeter of room in case of expansion, ensure gap is no larger than the trim or wall base being applied
- Roll and cross roll each section of tile laid with a 100-pound 3section roller within 15 minutes after installation of the tile section. Adjust rolling times if necessary according to climate conditions. Use a hand roller in areas that cannot be reached with the larger roller. Conduct a visual inspection during the rolling process to assure there has been no shifting of the tiles and that there is no adhesive on the surface of the tile
- Do not wait until completing the entire installation before rolling as the adhesive may have surpassed the open time and cured. Roll and cross roll a second time approximately 30 minutes after the initial rolling

Flash Cove (If Required)

- Install field tile prior to flash cove
- Allow a minimum of 6” flash up the wall and extending at least 6” on the floor if not using sheet goods
- Install the appropriate Flexco Resilient Cove Cap at the desired height
- Install the appropriate Flexco Cove Stick Filler at the wall and floor junction to provide the desired radius
- Measure and cut in the flash cove while bending to desired radius, making sure there is good contact with the cove stick
- To make both inside corners and outside butterfly corners, use building felt to create a dry pattern. Cut the flooring to the pattern. Trim it and fit into place

Heat Welding (If Required)

- Do not heat weld the seams until the adhesive has cured, approximately twenty-four (24) hours after the installation of the flooring, if using the 2100 SprayGrip Adhesive for Rubber Tile heat welding can occur after three (3) hours

- After installation and prior to heat welding, protect all seams from dirt, topical moisture and cleaning of any kind
- Do not allow the adhesive to bleed at the seam
- The preferable method to prepare for heat welding is to use an electric grooving machine with the blade set to cut the groove approximately 66% of the total thickness of the tile (.082", if the flooring is 1/8" thick). During the grooving process, ensure approximately 50% of material is equally removed from each side of the adjoining pieces of the tile that is being grooved. Practice on a piece of scrap tile to obtain the proper depth
- It may be necessary to hand groove some of the seams using a hand grooving tool with a narrow blade near the walls or other obstacles
- Use a hot air welding gun; insert the Flexco Rubber Welding Rod through the opening of the 4mm welding tip into the center of the routed groove in the flooring. Practice the welding technique by using a piece of scrap tile to determine the temperature setting of the heat gun and welding speed to achieve a successful bond. Ensure the groove and welding bead are clean, dry and free of any contaminant that may prevent a successful bond when heat welded together
- Work with seams in one direction at a time, cut a "V" groove in installed bead at tile intersections, and then complete the procedure in opposite direction
- Do not allow traffic until rods have cooled and are trimmed
- Trim the excess bead with a clean, sharp quarter moon spatula knife with an attached clean, trim plate. You may also use the Mozart trimmer by Crain to perform this trimming with the attached trim plate
- After one hour, perform a second trim using only the quarter moon spatula knife to create a smooth, level surface. You may also use the Mozart trimmer by Crain to perform this trimming without the trim plate in place
- If the heat welded seam is trimmed before it is completely cold, and/or, if the seam is first cut with only the quarter moon spatula knife without trim the trim plate, a concave skive can result. This can allow particulate and liquids into the seam
- After trimming, carefully glazing the surface of the heat welded seam with the hot air from the gun may smooth out any imperfections, if necessary

After Installation Restrictions

- 2100 Spray-Grip Adhesive for Rubber Tile
 - Heat Welding after 3 hours
 - Immediate Foot Traffic
 - Immediate Rolling Loads
 - Immediate Point Loading
 - Maintenance after 72 hours

- 3100 Rubber Tile & Tread Adhesive
 - Heat Welding after 24 hours
 - Light Foot Traffic after 24 hours
 - Light Rolling Loads after 48 hours

- Medium Rolling Loads & All Point Loading after 72 hours
- Maintenance after 72 hours

- 6100 Sports Flooring Adhesive
 - Heat Welding after 24 hours
 - Light Foot Traffic after 24 hours
 - Light Rolling Loads after 48 hours
 - Rolling Loads & All Point Loading after 72 hours
 - Maintenance after 72 hours

- 7100 Low Viscosity Epoxy Adhesive
 - Heat Welding after 24 hours
 - Light Foot Traffic after 24 hours
 - Light Rolling Loads after 48 hours
 - Rolling Loads & All Point Loading after 72 hours
 - Maintenance after 72 hours

- 7200 Urethane Two-Part Epoxy Adhesive
 - Heat Welding after 24 hours
 - Light Foot Traffic after 24 hours
 - Light Rolling Loads after 48 hours
 - Rolling Loads & All Point Loading after 72 hours
 - Maintenance after 72 hours

After Installation Protection of Flooring

- Protect flooring from other trades during the construction process by appropriate means such as Masonite, Ram Board or heavy construction paper
- When moving in appliances or heavy furniture, it is always wise to protect the flooring and accessories from scuffing and tears
- Use appropriate floor protection devices for resilient flooring on all furniture or fixtures
- Flexco recommends all furniture placed on flooring have contact points with a minimum diameter of 1" and contain a smooth Stainless Steel, Teflon or Felt pad for contact
- Flexco recommends all furniture placed on the flooring containing castors to have a minimum of 1" wide flat surfaces at the contact point
- Flexco recommends all rolling chairs have castors designed for resilient flooring that are not damaged. It is also recommended to use a chair pad designed for resilient surfaces
- Dragging or improperly moving furniture or equipment across the surface of the tile can cause permanent damage.
- Place walk-off mats at outside entrances manufactured with non-staining backs to prevent discoloration

If you have any doubt prior to the installation of this product, please do not hesitate to contact our Customer Service or Technical Department.

