



PLAYGROUND + INSTALLATION / MAINTENANCE GUIDELINES

RUBBER PLAYGROUND TILES

1 1/2" (4' FALL HEIGHT)

2 1/4" (6' FALL HEIGHT)

Contact customer service for greater fall height requirements.

PlayGround+ Tile Installation

The following pages are guidelines only... please read this manual thoroughly before installing SRH Sports products.

On receipt of merchandise:

It is recommended that you double-check that your order is correct, that no damage occurred during transport. For your own protection, ensure that defective product is identified prior to the start of the installation.

Storage

Store tiles in a dry and clean area. Temperature and humidity changes will cause the rubber to expand or contract.

Installation after storage At least 48 hours before starting the installation lay out all tiles on the sub-surface to allow them to acclimate to ambient temperature. The tiles should be placed in stacks no more than two high. Acclimation is complete when the products have reached a consistent dimension for a period of at least 24 and up to 72 hours. Check length, width, and thickness periodically until the right dimensions have been reached (see the Weights & Measures chart at the back of these guidelines). Do not install the tiles if they are not square and the appropriate thickness has not been reached. Installation should only occur when the sub-surface temperature is between 18°C (65°F) and 23°C (72°F).

TOOLS & ACCESSORIES

- Installation Guidelines
- Safety glasses
- Heavy duty utility knife
- Mallet
- Measuring tape
- Transit level and Straight edge
- Caulking gun
- Chalk snap-line
- Trowel
 - For fine finish concrete surface
1/8" (3.2mm) V-notch
 - For rough finish concrete
1/8" (3.2mm) Square-notch
- Carpenter's square
- Perimeter border if required (e.g. 2"x4" treated lumber)
- GeoTextile Landscape Fabric if required (woven type suggested)

Adhesive

SRH Sports recommended adhesive: **SRH MAX URETHANE** (V.O.C. compliant)

- One component, water free, polyurethane adhesive
- 4 gallon pail: 55 lbs (12 kg).
- Approximate coverage 150 sq. ft. (14 m²) per pail.

Wedges & corner pieces

Wedges are used around the perimeter of an area to create a transition. They can be adhered to the edge of the rubber tile and/or glued to the sub-surface. Corner pieces compliment the wedges. There are inside and outside wedge corners, designed for use on all 90° angles.



Wedges must be installed last. Calculate areas in advance and leave room for the wedges.

Ramps

Ramps are required when playground areas must meet ADA compliance for wheelchair accessibility.



Interlocking tubes

Each tile requires four (4) interlocking tubes which are included in every order.



Interlocking Tube

BEFORE STARTING THE INSTALLATION*The sub-surface must be smooth, clean, and dry.*

PREPARATION OF THE SUB-SURFACE PlayGround+ tiles may be installed over a solid sub-surface such as concrete or asphalt, or over a compacted granular sub-base. In all cases, proper drainage must be provided. This can be achieved by either a well-defined gradient of the surface or well-placed drainage pipe in lower spots. For interior applications, adequate floor drains must be in place prior to the installation of the tiles. For installation over gravel, level and compact the subsurface, then apply woven geotextile fabric and adhere to perimeter containment; please be aware that even after proper compacting, over time this type of installation may be susceptible to ground settling.

HEAVING OR SETTLING OF SOFT GROUND SUB-SURFACE AS A RESULT OF FREEZE/THAW IS THE SOLE RESPONSIBILITY OF THE INSTALLER AND/OR OWNER.

INSTALLATION OF RUBBER TILES

LAYOUT

It may be to your advantage to insert four (4) interlocking pegs into each tile prior to removing from the pallet. Be sure to leave enough tiles without pegs to do your first row of tiles.

Tiles may have minor color variation from tile to tile. This is a normal trait of products manufactured from recycled rubber. This color variation in no way affects the quality of the tile and can be minimized by placing these tiles in less visible areas such as under play equipment.

Determine the area for best layout. For irregular site configurations, a good starting point is often the center. Other installations are best started in the corner along a straight edge.

INTERLOCKING TILES (No adhesive required)

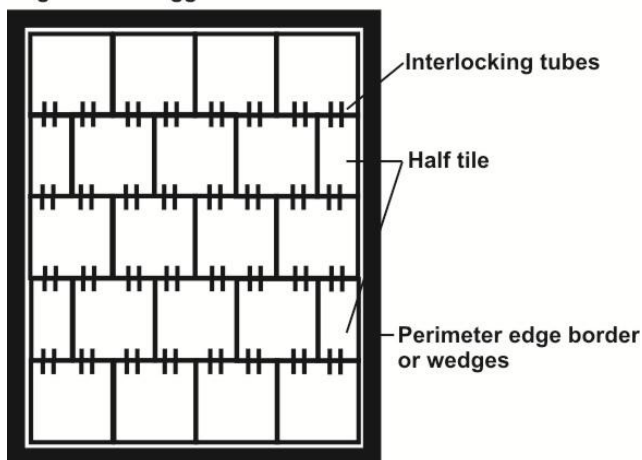
Installing Along Straight Edge

Place the first tile at your designated starting point, either against a wall or existing border. Align first row of tiles along a straight edge. Make sure that all interlocking holes are facing toward unfinished area. (Do not put any pegs in first row of tiles.)

Start second row with a “half tile”, which is simply a full tile cut in half. As you are installing each tile, tilt slightly to ease pegs into existing tile. Tap with mallet to ensure tight fit. Continue installation in a staggered method. Repeat first and second row until installation is completed.

If installing a new perimeter edge border, it is best if you only install two edges (i.e. L shape). This will reduce movement of the tiles while inserting the interlocking tubes. After tiles are laid, install the last two remaining perimeter borders, making sure they are as tight as possible against the tiles. A mallet is helpful in this process.

Figure A - Staggered Installation



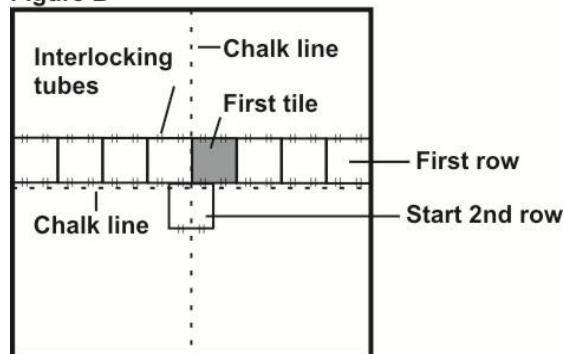
The unique interlocking system allows the tiles to be securely fastened to one another.

Installing Irregular Site Configurations As reference for installation, measure the designated area and snap chalk lines both length & width at the center of the installation area. These reference lines will serve as a guide for laying the first row of tiles.

Place the first tile aligned with the perpendicular center of the chalk lines. Align first row of tiles along this chalk line making sure the interlocking holes are facing toward unfinished areas. Secure this first row of tiles by either gluing to sub-surface or creating a temporary border along one edge to hold the tiles in place.

Start second row at center of chalk line lining up with middle of tile above (see diagram below). Continue installation in a staggered method.

Figure B



GLUE DOWN INSTALLATION

Installing Along Straight Edge

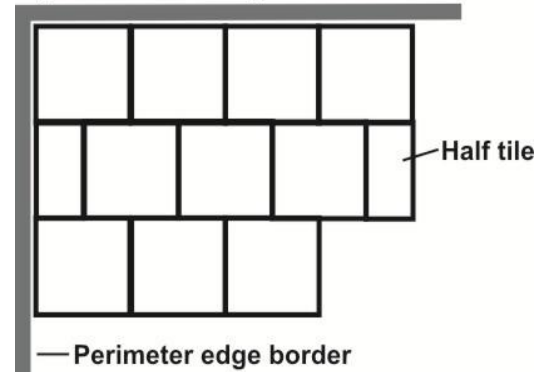
Glue the first row of tiles along straight edge. Start second row with a “half tile”, which is simply a full tile cut in half. Continue installation in a staggered method.

Repeat first and second row until installation is completed.

Important: Interlocking tubes should still be used with glue down installation for correct alignment of tiles.

This will reduce movement of the tiles while installing. After tiles are laid, install the last two remaining perimeter borders, making sure they are as tight as possible against the tiles. A mallet is helpful in this process.

Figure C - Installing within new border



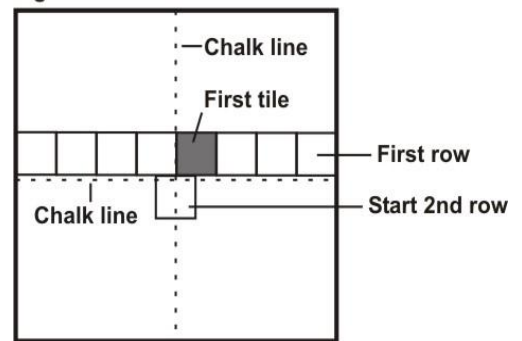
Installing Irregular Site Configurations

As reference for installation, measure the designated area and snap chalk lines both length & width at the center of the installation area. These reference lines will serve as a guide for laying the first row of tiles.

Place the first tile at a 90° right angle aligned with the perpendicular center of the chalk lines. Align first row of tiles along this chalk line making sure the interlocking holes are facing toward unfinished areas. Secure this first row of tiles either by gluing to sub-surface or creating a temporary border along one edge to hold the pavers in place.

Start second row at center of chalk line lining up with middle of tile above (see diagram below). Continue installation in a staggered method.

Figure D



Installing Over Geotextile Fabric

Ensure the ground sub-surface is level and compacted. Install landscape fabric over top of compacted level sub-surface. Provide a minimum of 12” overlap at all joints. Secure overlap with duct tape or equivalent.

Secure landscape fabric to the perimeter border with adhesive, rust proof nails or staples.

MEASURING & CUTTING

Lay tile on a flat surface, hold the metal straight edge on the cut line, and cut with sharp utility knife. Keep scoring the cut until separated. Change or snap off blades frequently to ensure clean cuts. For odd angles, circular patterns, and to cut around structure mounts, a cardboard template is suggested. If a large amount of cutting is required, installers may consider using a jigsaw or reciprocating saw. If so, suggested blade is 12-14 teeth per inch, or a rubber cutting blade. Depending on thickness and length of cut, inserting a small wedge into start of cut will help to minimize any binding on the blade.

Make sure that you measure carefully so that the tile will fit properly and does not leave gaps, resulting in the installation being out of alignment.

ADHESIVE

- Moisture is the single greatest cause of bonding failure.
- Higher temperatures and humidity cause the adhesive to cure faster.
- Use safety glasses, rubber boots, and rubber gloves when applying adhesive.

Applying Adhesive

WEAR GLOVES AT ALL TIMES WHEN APPLYING ADHESIVE. DO NOT ALLOW ADHESIVE TO CURE ON YOUR HANDS.

All substrates must be structurally sound, smooth, clean, dry, and free from dust, loose material, grease, oil, wax, sealers, curing agents, and other foreign materials. Apply adhesive with appropriate size trowel when spreading on sub-surface. Adhesive may also be applied directly to back of tile using a plastic spatula. Be sure to apply to all points that will contact sub-surface.

When applying adhesive, glue must be spread evenly on sub-surface or on back of each tile to avoid differences in tile height. Allow 48 hours setting time. Avoid heavy traffic during curing time.

DO NOT GET ADHESIVE ON THE SURFACE OF THE TILES.

Using mineral spirits or similar products to remove adhesive residue may alter the surface appearance of the tiles. If you choose to use this type of product to remove adhesive, test product for color fastness first using a small amount of mineral spirits applied with a clean, dry cloth. Do not scrub! Any damage to the tiles as a result of adhesive removal is solely the responsibility of the installer.

Clean Up Adhesive

Excess adhesive on sub surface or tools should be cleaned immediately as per adhesive manufacturer's instructions. Cured adhesive bonds tightly and is very difficult to remove. **Do not use solvents** on tile surface as they cause deterioration of the bonding compound between the rubber granules.

GENERAL CLEANING & MAINTENANCE

ROUTINE MAINTENANCE EXTENDS LIFE AND ENHANCES APPEARANCE.

A) The tiles are coated with water-based mold release residue, a natural result of the manufacturing process. This will initially cause slight discoloration and slipperiness. For fast removal, apply a solution of neutral cleaner (e.g. SRH CLEAN) and agitate with brush or mop, then rinse with water. Exposure to sun and rain will naturally remove this residue, but the process may take up to four weeks, depending on local weather conditions.

B) Sweeping and hosing off the surface are the most common methods of keeping the tiles clean. If surface is excessively dirty, apply a solution of neutral cleaner and water and agitate with a brush. Then rinse with garden hose. **Do not use a pressure washer to clean tiles. Do not use solvents of any kind.**

C) Indoor Maintenance

All food and drink should be restricted from indoor applications. Regular dry vacuuming is recommended with occasional damp mopping with very little water. In areas subject to food and drink spillage, the tiles should be cleaned as follows:

- Use a wet-vac immediately to remove as much liquid as possible.
- Scrub the tiles with a soft brush and mild detergent, and then rinse with minimal water. Excess water should be drained into floor drains, or use the wet-vac to clean any liquids that have drained through the tiles. To prevent odor, bacteria growth, etc. all excess liquids must be removed.
- If necessary, tiles may be removed and cleaned thoroughly. Be sure that tiles are completely dry and free of foreign material before re-installing.

SRH Sports does not assume any responsibility for damages caused by chemical additives.