

SHOCK Series Tiles

Installation Instructions

UPON DELIVERY OF PRODUCT

1. **VERIFY** packing slip matches with product and order.
2. **INSPECT** delivered product thoroughly. Report any discrepancies of original order, product defects, etc. No reimbursement/ warranty claim will be given for labor on material installed with visual defects. Any defects – size, color, or otherwise – must be reported to the place of purchase prior to installation.
3. **STORE** product and adhesives in clean, dry environment with temperatures between 60 or 77°F (15-25°C).
4. **READ** product and sub-floor preparation, instructions, warranty, and other disclaimers carefully and completely before beginning any installations.
5. **REVIEW** these important steps prior to installation:
 - a) Solid perimeter retainer wall/edge is strongly recommended.
 - b) When installing for a play area – any permanent play structures requiring anchoring or containing posts should be installed prior to positioning SHOCK series tiles.
 - c) Install tiles using a brick lay pattern to minimize effects of naturally occurring expansion and contraction.

Warning:

DO NOT use recycled rubber products in conjunction with any petroleum-based products. This includes solvents, adhesives, or sealants. All substrates (especially new concrete) must be fully cured for 45 to 60 days prior to installing rubber products.

INTRODUCTORY NOTE: This installation guide is intended to provide the necessary information for the proper installation of Perfect Surfaces rubber tiles. These instructions are believed to be based on industry standards and are provided for informational use only.

PERFECT SURFACES DOES NOT WARRANTY ANY INSTALLATION PERFORMED PURSUANT TO THESE INSTRUCTIONS OR OTHERWISE AND SPECIFICALLY DISCLAIMS LIABILITY FOR ANY DIRECT OR INDIRECT PERSONAL INJURY, PROPERTY DAMAGE OR OTHER COSTS OR LOSSES RESULTING FROM INSTALLATION. Perfect Surfaces rubber tiles should be installed by qualified and experienced personnel.

RECOMMENDED TOOLS

Measuring Tape or Ruler
Utility Knife w/ Extra Blades
Jigsaw
Drill & Hole Saw Bits
4' Straight Edge/ Drywall Square
Chalk Line
2x4 Wood Block
Masking or Duct Tape
Mallet
Rubber gloves
Rags

ADHESIVE OPTIONS

PL Premium
FAS 1 Adhesive



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Site Preparation

SHOCK series tiles may be installed over both hard surface sub-base such as concrete or asphalt, or over well compacted granular fill such as Rock Base (4" lift) compacted with a plate compactor.

SHOCK series tiles are water permeable, allowing liquids to drain through to the sub-base. In all cases adequate drainage must be provided to ensure that ground and rainwater is discharged away from the site, either by mechanical means or positive slope of sub-base (min 2%).

- a) Hard Surface Sub-Base
 - All surfaces must be clean, dry, and free of all loose materials, oils, or previous floor finishes that would prevent a secure bond to adhesive.
 - All bumps, protrusions, cracks, or uneven surfaces must be leveled before installation of tiles.
 - New concrete floors must be thoroughly cured, and not subject to hydrostatic water pressure, prior to tile installation (min. 28 days cure time).
- b) Compacted Granular Sub-Base
 - Grass, ground cover, soils and organic fills must be removed to a minimum of 4" below bottom of tiles at finished elevation.
 - Place, level, and compact clean and free draining granular material, to a minimum 95% proctor standard. **Do not** use only sand as activity on the tiles will push legs (stanchions) of the tiles into sub-base surface.
 - Place geotextile landscape fabric over entire site, overlapping minimum of 6" and tape joints to secure.

Site Layout

- Ensure entire site has been prepared, sub-base completed, level and smooth.
- Materials and tools for installation are available, clean and dry.
- When installing for a play area – any permanent play structures requiring anchoring or containing posts should be installed prior to positioning SHOCK series tiles.
- Use of landscape fabric (geotextile cloth) is required only over granular surfaces.
- For fall heights of 3' and higher, place PlayPad underlayment over entire area (prior to placement of SHOCK series tiles), securing pads together with 2" wide masking/duct tape at 16" c/c across all seams. It is recommended that PlayPad underlayment be installed using a brick lay (staggered seam) pattern to minimize the effects of expansion and contraction due to temperature and pressure.
- Remove SHOCK series tiles from pallets and distribute loosely over the entire installation site to allow tiles to conform and acclimatize to conditions.
- When PlayPad is installed (for 3' and higher fall heights) loose distribution of Shock series tiles as mentioned above, is done after installation of PlayPad.



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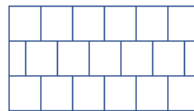
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Installing SHOCK Series Tiles

Note: Due to the nature of the composition of the rubber surfacing tiles, allowances must be made for the normal occurrence of expansion and contraction dimension change.

- **For best results site should be surrounded by a solid perimeter retainer such as concrete, wood, or plastic curbing.**
- When SHOCK edge ramps are to be used, best results are achieved when edge ramps are installed, and adhesive cured prior to the installation of the tiles.
- When placing surrounding edge ramps at outside corners, we suggest over-cutting required 45° angles. (46° to 46.5°) to obtain the tightest fit right to the end of the angle.
- To ensure proper alignment of the tiles, installation site lines should co-ordinate with surrounding site features. (If using as a play area and play equipment is already complete, confirm whether tile alignment to equipment and/or feature is a concern to the customer).
- Begin layout at the center of the site and provide chalk line as a starting point. Then work towards outer edges.
- Alternatively, one square edge of the site can be selected as a starting line.
- Begin first row of tiles at your starting point, using the provided X-Connectors to secure each tile together.
- Begin the next row of tiles using a brick lay pattern (*see diagram below*).

Brick Lay Pattern:



- Ensure joints are kept tight as each adjoining row of tiles is installed.
- **Install all full tiles first.** Set aside any infill tiles, custom cut tiles, tiles surrounding posts or outer edge tiles.
- Mark, cut to suit, and install all infill and outer edge tiles which require cutting only after all full tiles have been installed.
- Maintain a consistent tight-fitting installation procedure throughout. When cutting last row of tiles to fit into the site, cut approximately ¼-½" larger than opening and "shoe-horn" the tiles in place, which will keep seams tight and prevent gaps.

Cutting SHOCK Tiles

- Use a sharp utility knife and straight edge for seams and straight cuts, scoring first then bending the tile. Continue bending until the cut passes through the tile.
- Jigsaw mounted with "down cut" blades, drill mounted with a hole saw bit or utility knife can be used to cut holes for posts and other protrusions.
- After all full tiles are installed, mark, cut and install any infill tiles around posts and protrusions and into any other custom fit openings.
- Measure from edges or post face(s) to adjoining tiles and transfer dimensions to infill tile. Cut to size.
- Measurement tolerances should be kept tight to ensure a clean fit.
- Small gaps (up to ¼") can be filled using a polyurethane caulking material.

Cleaning and Maintenance

- A regular routine maintenance program will enhance the appearance and performance of SHOCK series tiles.
- Tile surfaces can be swept, vacuumed, machine scrubbed, sponge mopped or hosed off to ensure a clean and long-lasting surface.
- Use Neutral pH Cleaner & Degreaser with a sponge mop and water for more extensive cleaning. Please ask your sales representative for recommended cleaning agents.
- **SHOCK Series tiles are created using a mold. The surface of the product may contain a film from the releasing agent used during production. Use of a degreaser for the initial clean will help eliminate this glossy feel.**



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Product Warranty

This is a 5-year limited warranty.

Perfect Surfaces warrants that SHOCK series tiles will be free from defects in material and workmanship subsequent to the Initial Warranty Period and up to five (5) years from the date of original purchase. Original receipt must accompany warranty claim. Abnormal use and/or abuse specifically nullify the warranty on the flooring. This warranty applies only to materials only and does not include any other cost, such as delivery, installation, removal, or labour costs. This warranty is not transferrable.

Warranty Exclusions

This warranty does not cover product failure caused by:

- Improper installation or maintenance (see installation, care and maintenance instructions) including, but not limited to, the product being installed on top of improper sub- surface preparation or improper adhesive use.
- Improper disassembly (based on instructions that provide proper disassembly procedure).
- An act of negligence, abuse, accident, misuse, including, but not limited to vandalism, civil disobedience, act of crime, act of war and the like.
- Acids, caustic materials or petroleum chemicals and the like, direct or airborne.
- Fading due to sunlight (outdoor exposure, abrasions, and ultra-violet rays may cause normal change in the surface color and is not considered a defect under this warranty).
- Shading (colour variation) of individual pieces due to natural rubber variations.
- Colour variation between samples and/or printed illustrations and actual product.
- Repairs, alterations or modifications made to the surfaces without prior consultation, consent or authorization from Perfect Surfaces.
- Damage due to the occurrence of a natural disaster including, but not limited to, flooding, earthquakes, tornadoes, hurricanes, etc.
- Normal wear over time.

Liability Limitations

The liability of Perfect Surfaces for damages resulting from the use or misuse of the product shall in no event exceed the replacement cost of the product, FOB destination warehouse. In no event will Perfect Surfaces be liable to the original purchaser or any third party for damages, including any lost profits, lost savings, or other consequential or incidental damages arising out of the use or inability to use the product even if Perfect Surfaces and its representatives have been advised of the possibility of these damages.

If an installation is confirmed to have a legitimate warranty claim it is the responsibility of the manager(s) of the facility to secure the site and prevent its use until repairs are made and the site is returned to standard. Perfect Surfaces will not be liable for any injuries, incidents or damages that occur on a warranty claim site prior to the site being remedied.

Some jurisdictions do not allow the limitation of liability for incidental or consequential damages so the above may not apply.

Disclaimer: Recycled rubber, as with any recycled product, can vary. Tolerances in thickness and width have been made as stringent as possible, but some variance is to be expected. Rubber's nature is to expand and contract with changes in temperature and humidity. Perfect Surfaces rubber tiles are not to be used in any manner or for purpose not expressly identified by Perfect Surfaces Ltd.



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