



## SureFlexx Sportfloor, Rolls & SuperFlexx Pavers Technical Manual

### INSTALLATION / MAINTENANCE

#### I. TOOLS

- 100 lb. Roller
- Tape Measure
- Straight Edge
- Square
- Utility Knife (extra blades)
- 1/2" Drill Motor
- Jiffy Paddle
- 3/32" Trowel
- Chalk Line
- Paint rollers (w/extension arms)

#### II. FOUNDATION

- Base materials for **SUREFLEXX™**, **SUPERFLEXX™** and **SUREFLEXX ROLLS** are either concrete, approved self-leveling concrete based topping materials or 3/4" exterior grade tongue and groove plywood (installed smooth side up).
- Gypsum based patching compounds or toppings are not acceptable and will void all warranties.
- Base materials for **SUREFLEXX™** are fully cured concrete or asphalt. Both are ideal for load bearing areas with heavy traffic or moving vehicles.
- Make sure to allow for a 1.5% slope or fall for moisture movement to drainage pit.

#### III. PREPARATION AND BASE REQUIREMENTS

- A tolerance of +/- 1/8" under a 10' straight edge in any direction is required.
- Sand any ridges on cement based patching compounds to avoid telegraphing through the flooring. All plywood joints must be very smooth or telegraphing may occur. Sand any uneven joints and fill all joints with a fast drying cement based patching compound.

- All expansion joints or saw cuts in the concrete must be filled with an approved cement based patching compound to avoid telegraphing through the flooring.
- Always allow any fast drying cement based patching materials to dry thoroughly and according to the manufacturers instructions. Excessive moisture in patching material may cause bonding problems or a bubbling reaction with the recommended **SUREBOND™** adhesive.
- Remove all traces of old adhesives, paint or other debris by scraping, sanding or scarifying the substrate. All high spots shall be ground level and low spots filled with an approved cement based patching compound. Any damage to the substrate from the removal process must be leveled and smoothed with an approved cement based patching compound.
- Base must be clean prior to installation and free of dust, dirt, grease, paint, curing compounds, sealers or any other substance that may inhibit proper adhesion.
- Concrete shall be cured for a minimum of 30 days and have a smooth steel trowel finish.
- Maximum moisture content of the concrete must not exceed 5.5 lbs. per 1000 ft sq. in a 24-hour period as measured by the calcium chloride test.
- Do not install the flooring if hydrostatic pressure is expected due to moisture.

#### **IV. SUREFLEXX ROLLS**

1. Verify receipt of ordered rolls and adhesive before installation. Any discrepancies must be reported immediately before beginning installation.
2. To minimize installation difficulties, avoid extreme temperatures between storage and installation areas. For optimal ease, store material at room temperature (70° F).
3. Installation should not begin until after all other trades are finished in the area. If the job requires other trades to work in the area after the installation of the floor, the flooring should be protected with an appropriate cover.
4. Assume that the wall you are butting against is not perfectly square.
5. Unroll and lay out **SUREFLEXX ROLLS** material on the floor that will utilize your cuts efficiently to minimize cutting and waste.
6. Allow flooring to sit in place unrolled for a minimum of 12 hours to adjust to room temperature (24 hours would be ideal).

7. All **SUREFLEXX ROLLS** must be unrolled and installed in the same direction. Do not start one roll from one side of the room and another adjacent roll from another side of the room.
8. Always begin installation away from the walls with a chalk line that is perfectly square in the room.
9. If the room is not perfectly square, allow additional material on ends and sides eventual trimming to fit room.
10. All long edge seams are factory trimmed. Head seams need to be overlapped and double cut by the installer using a sharp utility knife and metal straight edge.

Note: [5/32"] and [1/4"] installations only.

This following step will minimize the possibility of curling at the long edges of the material. Unroll factory rolls in the same direction and allow to acclimatize (see Step 6). Flip the material over. Re-roll the pieces to prepare for adhesive application.

11. After all above procedures are performed, begin application of the **SUREBOND™**, U.S. Rubber's recommended one-component polyurethane adhesive. Before applying the adhesive, whip adhesive up to 1-2 minutes using a heavy duty 1/2" drill using a jiffy paddle attached on the end (do not over mix/whip adhesive) for easier troweling. Apply **SUREBOND™** to the substrate using a 3/32" square notched trowel. Monitor the tooth size of the trowel blade frequently, and use a new blade as needed to ensure that the proper amount of adhesive is applied.
12. Apply **SUREBOND™** evenly at a rate of 75 sq/ft per gallon over smooth concrete. Various substrates may effect this coverage rate. Do not allow **SUREBOND™** to cure on your hands or the flooring. Wipe off excess adhesive with a rag dampened with mineral spirits! Cured adhesive is very difficult to remove from hands. We strongly suggest wearing gloves when using **SUREBOND™**!
13. Unroll the first roll into the wet adhesive making sure that the edge is precisely placed on the chalk line. Press firmly on the flooring to remove any curl or entrapped air.
14. Roll a 100 lb. roller over the floor within 45 minutes to ensure proper transfer of adhesive. Overlap each pass of the roller by 50% of the previous pass to ensure that the floor is properly rolled.
15. Unroll the next roll overlapping the long seams by a minimum of 1/8" and a maximum of 1/4". It is necessary to work the overlap into the seam in order to ensure a tight seam and minimize adhesive from squeezing through the seam. It is easier to work overlapped material into seams than to push gapped seams back together. See diagram 3 below.
16. Continue in the same manner as above for all additional rolls. Take care not to spread more **SUREBOND™** than can be covered by flooring within 30 minutes. The open time of the adhesive is 30-40 minutes at 70° F and 50% relative humidity.

**Note:** temperature and humidity affect the open time of adhesive. High temperatures and high humidity will cause the adhesive to set up quickly. Low temperatures and low humidity will cause adhesive to cure at a slow rate. The installer should monitor on-site conditions and adjust open time accordingly.

17. Trim roll ends against the walls and double-cut overlapped end seams before adhesive begins to set. All cutting can be done using a sharp utility knife.
18. Hand roll all seams with a lino roller after the entire floor has been rolled. If some seams are gapping, hold them together temporarily with masking tape. Do not use duct tape as it may leave a residue on the floor. Remove tape after adhesive has developed a firm set. It may be necessary to weight down some seams using concrete utility blocks until adhesive has been firmly set.
19. Avoid walking on the floor after rolling 100 lb. weight until adhesive develops a firm set. Any traffic may cause flooring to shift or open at the seams.
20. Allow the adhesive to cure for a minimum of 12 hours before applying any sealer to the floor.
21. Refer to Taski-Sutter maintenance procedures for cleaning and finishing options, page 10.

## **V. SUREFLEXX™ TILES**

1. Verify receipt of ordered tiles and adhesive before installation. Any discrepancies must be reported immediately before beginning installation.
2. To minimize installation difficulties, avoid extreme temperatures between storage and installation area. For optimal ease, store material a room temperature (70° F).
3. Installation should not begin until after all other trades are finished in the area. If the job requires other trades to work in the area after installation of the floor, the flooring should be protected with an appropriate cover.
4. Assume that the wall you are butting against is not perfectly square.
5. Lay out the **SUREFLEXX™** tiles on the floor that will utilize your cuts efficiently to minimize cutting and waste.
6. Allow flooring to sit in place for a minimum of 12 hours to adjust to room temperature (24 hours would be ideal).
7. **SUREFLEXX™** tiles are directional. They can be laid in one direction.

8. Go to any of the four sides and snap a chalk line, approximately 6" from the wall (#1). Snap a second chalk line perpendicular to the first chalk line approximately 6" from the adjacent wall. Always begin the installation away from the walls with chalk lines that are perfectly square in the room.
9. After all above procedures are performed, begin application of **SUREBOND™**, U.S. Rubber's recommended one component polyurethane adhesive. Before applying the adhesive, whip adhesive up to 1-2 minutes using a heavy duty drill with a jiffy paddle attached on the end (do not over mix/whip adhesive) for easier troweling. Apply **SUREBOND™** to the substrate using a 3/32" square notched trowel. Monitor the tooth size of the trowel blade frequently, and use a new blade as needed to ensure that the proper amount of adhesive is applied.
10. Apply **SUREBOND™** evenly at a rate of 75 sq/ft per gallon over smooth concrete. Various substrates may effect this coverage rate. Do not allow **SUREBOND™** to cure on your hands or the flooring. Wipe off excess adhesive with a rag dampened with mineral spirits! Cured adhesive is very difficult to remove from hands. We strongly suggest wearing gloves when using **SUREBOND™**!
11. Place the first tile A into the wet adhesive making sure that the edges are precisely placed along the chalk lines and where they intersect. Press firmly on the tiles to remove any curls or entrapped air.
12. Lay whole tiles from left to right along chalk line #1 up to the wall on the opposite side of chalk line #2. The last tile will likely have to be cut to fit against the wall. Note: If you decide to stagger the pattern, start with the second row.
13. Continue this process with each row until you reach the wall across from chalk line #1.
14. Go back and fill in gaps between the two original chalk lines and the wall on those two sides.
15. Roll a 100 lb. roller over the floor within 45 minutes to ensure proper transfer of adhesive. Overlap each pass of the roller by 50% of the previous pass to ensure that the floor is properly rolled.
16. Trim ends of tiles against the walls before adhesive begins to set. All cutting can be done using a sharp utility knife. Change blades often to keep a sharp edge.
17. If some seams are gapping, hold them together temporarily with masking tape. Do not use duct tape as it may leave a residue on the floor. Remove the tape after the adhesive has developed a firm set. It may be necessary to weigh down some seams using concrete utility blocks until adhesive has been firmly set.
18. Avoid walking on the floor after rolling 100 lb. weight until adhesive develops a firm set. Any traffic may cause the flooring to shift or open at the seams.
19. Allow the adhesive to cure for a minimum of 12 hours before applying any sealer to the floor.

20. Refer to Taski-Sutter maintenance procedures for cleaning and finishing options, page 10.

## **VI. SUPERFLEXX™ MOLDED TILES**

NOTE: All **SUPERFLEXX™** products are to be installed over a solid substrate.

Pavers (1/2" or 1/4" Thick) can be adhered or loose-laid. If loose-laid, pavers need to be installed against a perimeter border system or walls.

### **A. INDOOR INSTALLATION**

1. Verify receipt of material and adhesive before installation. Any discrepancies must be reported immediately before beginning installation.
2. To minimize installation difficulties, avoid extreme temperatures between storage and installation areas. For optimal ease, store material at room temperature (70° F).
3. Installation should not begin until after all other trades are finished in the area. If the job requires other trades to work in the area after the installation, the floor should be protected with an appropriate cover.
4. Assume that the wall you are butting against is not perfectly square.
5. Lay out molded pavers/tiles before adhering to minimize cutting and waste.
6. Allow flooring to sit in place for a minimum of 12 hours to adjust to room temperature (24 hours would be ideal).
7. Always begin installation with chalk lines that are perfectly square in the room. It is best to begin laying tiles away from the walls.
8. After all above procedures are performed, begin application of **SUREBOND™**, U.S. Rubber's recommended one component polyurethane adhesive. Before applying adhesive, whip adhesive up to 1-2 minutes using a heavy duty drill with a jiffy paddle attached on the end (do not over mix/whip adhesive) for easier troweling. Apply **SUREBOND™** to the substrate using a 3/32" square notched trowel. Monitor the tooth size of the trowel blade frequently, and use a new blade as needed to ensure the proper amount of adhesive is applied.
9. Apply **SUREBOND™** evenly at a rate of 75 sq/ft per gallon over smooth concrete. Various substrates may effect this coverage rate. Do not allow **SUREBOND™** to cure on your hands or the flooring. Wipe off excess adhesive with a rag dampened with mineral spirits! Cured adhesive is very difficult to remove from hands. We strongly suggest wearing gloves when using the **SUREBOND™**!

10. Place the first tile into the wet adhesive making sure that the edges are precisely placed along chalk lines and where they intersect. Press firmly on the flooring to remove any curls or entrapped air.
11. Laying tiles
  - a) **Pavers:** Interlock and shift whole pavers from left to right along chalk line #1 up to the wall on the opposite side of chalk line #2. The last paver will likely have to be cut to fit against the wall.
12. Continue this process with each row until you reach the wall across from chalk line #1.
13. Go back and fill in gaps between the two original chalk lines and the wall on those two sides.
14. Roll a 100 lb. roller over the floor within 45 minutes to ensure proper transfer of adhesive. Overlap each pass of the roller by 50% of the previous pass to ensure floor is properly rolled.
15. Avoid walking on the floor after rolling 100 lb. weight until adhesive develops a firm set. Any traffic may cause flooring to shift or open at the seams.
16. Allow the adhesive to cure for a minimum of 12 hours before applying any sealer to the floor.

## **B. OUTDOOR INSTALLATION**

### **I. Adhered on concrete, asphalt and crushed stone.**

**Note:** A filter fabric is necessary for crushed stone bases. Tiles are adhered to the filter fabric. This filter fabric system will allow moisture to penetrate between surface joints and to evaporate in the base. Some bases will require a plastic perforated drain to remove possible moisture build-up.

1. Verify receipt of material and adhesive before installation. Any discrepancies must be reported immediately before beginning installation.
2. Installation should not begin until after all other trades are finished in the area. If the job requires other trades to work in the area after the installation, the floor should be protected with an appropriate cover.
3. Assure that the curb or perimeter border system you are butting against is not perfectly square.
4. Lay out molded pavers/tiles before adhering to minimize cutting and waste.
5. Always begin installation with chalk lines that are perfectly square. It is best to begin laying product away from the walls.

6. After all above procedures are performed, begin application of **SUREBOND™**, U.S. Rubber's recommended one component polyurethane adhesive. Before applying adhesive, whip adhesive up to 1-2 minutes using a heavy duty drill with a jiffy paddle attached on the end (do not over mix/whip adhesive) for easier troweling. Apply **SUREBOND™** to the substrate using a 1/8" square notched trowel. Monitor the tooth size of the trowel blade frequently, and use a new blade as needed to ensure the proper amount of adhesive is applied. See diagram 6 page 6.
7. Apply **SUREBOND™** evenly at a rate of 60 sq/ft per gallon over smooth concrete. Various substrates may effect this coverage rate. Do not allow **SUREBOND™** to cure on your hands or the flooring. Wipe off excess adhesive with a rag dampened with mineral spirits! Cured adhesive is very difficult to remove from hands. We strongly suggest wearing gloves when using the **SUREBOND™**!
8. Place the molded pavers/tiles into the wet adhesive making sure that the edges are precisely placed along chalk lines where they intersect. Press firmly on the flooring to remove any curls or entrapped air.
9. Laying tiles
  - a) **Pavers:** Interlock and shift whole pavers from left to right along chalk line #1 up to the perimeter border on the opposite side of chalk line #2. The last Paver will likely have to be cut to fit against the perimeter border.
10. Continue this process with each row until you reach the perimeter border across from chalk line #1.
11. Go back and fill in gaps between the two original chalk lines and the wall on those two sides.
12. Roll a 100 lb. roller over the surface within 45 minutes to ensure proper transfer of adhesive. Overlap each pass of the roller by 50% of the previous pass to ensure floor is properly rolled.
13. Avoid walking on the floor after rolling 100 lb. weight until adhesive develops a firm set. Any traffic may cause flooring to shift or open at the seams.
14. Allow the adhesive to cure for a minimum of 12 hours before applying any sealer to the floor.

## **II. Loose-laid installation: (Full pavers only)**

### Base requirements

- Base must contain sand/crushed stone with perimeter border system.
- Pavers must be installed butting up against perimeter border system.

Crushed stone specifications

- 95% standard proctor compaction (as per ASTM D1557) is critical.
- Stone for the base must be crushed so it compacts to the above standard and should be a homogeneous mix of the following sizes:

Sieve Size	% Passing by Weight
1”	90-100
5/8”	50-80
1/4”	30-50
#4	15-35
#8	10-30
#30	3-5
#200	0-3

- Minimum depth of crushed stone base should be 4”.
- Base can be flat or sloped 2%.

Procedure

1. Excavate soil approximately 12”.
2. Replace soil with approximately 9” of compacted crushed stone and approximately 1” of damp leveling sand.
3. Install perimeter border system.
4. Lay pavers in desired patters.

**VII. UNDERLAYMENT**

**A. INSTALLATION UNDER SUREFLEXX ROLLS**

1. Install underlayment on sub-base following roll installation instructions on page 2.
2. Adhere **SUREFLEXX ROLLS** over underlayment following recommended roll or tile instructions on page 2 or 4.

**B. INSTALLATION UNDER CARPET**

**1. Complete glue-down**

- a) Install underlayment on sub-base following roll installation instructions on page 2.

- b) Adhere carpet to underlayment using carpet manufacturer's recommended releasable adhesive.

**2. Installation with (wall-to-wall) tack strips.**

- a) Install underlayment on sub-base following roll instructions on page 2 leaving a 2-3 inch space around the perimeter of the room to install the tack strips.
- b) Install carpeting over underlayment following carpet manufacturer's recommended wall-to-wall installation instructions.

# MAINTENANCE

## IMPORTANT INFORMATION FOR THE SPECIFIER

### U.S. Rubber recommends the Taski-Sutter Cleaning and Maintenance Program For SUREFLEXX ROLLS

Proper protection and maintenance of **SUREFLEXX ROLLS** post-installation should be specified by the architect/designer. **SUREFLEXX ROLLS** products are not precoated with a factory finish; therefore, they should not be subject to debris and potential damage caused from heavy duty construction activities.

#### FLOOR PROTECTION

The specifier should include specification details to protect the floor post-installation and until job construction is complete, such as covering the entire floor with paper or other floor covering device (plastic, plywood, etc.) until construction is final and thorough cleaning and maintenance can begin.

#### ASSIGNMENT OF CLEANING AND MAINTENANCE

The specifier should determine and assign the responsibility for the final cleaning and finishing. This responsibility should be specifically assigned to either the flooring contractor, general contractor, maintenance contractor or owner.

### TASKI SUTTER CLEANING AND MAINTENANCE PROGRAM FOR U.S. RUBBER

#### I. CLEANING & MAINTENANCE PROCEDURES

##### A. Post installation

1. Sweep floor clean. Dry vacuum to ensure any fine soil is removed.
2. Wet scrub floor with TASKI profi cleaner (6-8 oz/gal of water), using buffer or auto scrubber with TASKI contact pad or soft nylon brush.
3. Wet vacuum remaining soiled solution, rinse and allow to dry thoroughly (6-8 hours).

##### B. Daily cleaning

1. Dry vacuum floor thoroughly.

2. Auto scrub or wet mop floor using TASKI profi cleaner (4 oz/gal of water) or wiwax cleaner/maintainer (2 oz/gal of water). Note: Profi is not a stripper. There is no need to refinish after cleaning with TASKI profi.

**C. Periodic cleaning (as needed)**

1. Dry vacuum floor thoroughly.
2. Wet scrub floor with TASKI profi (4 oz/gal of water) or wiwax (2 oz/gal of water). This cleaning may be performed with an auto scrubber, buffer and wet vacuum or wet mop. Note: Profi is not a stripper. There is no need to refinish after cleaning with TASKI Profi.
3. Scrub wet floor with scrubbing pad (TASKI purple pad).
4. Vacuum soiled solution with a wet/dry vacuum.
5. Allow floor to dry.
6. Apply 1-2 coats of finish as indicated under II Finish Options.

**II. FINISH OPTIONS**

- A. **TASKI vision matte™** – FOR A LOW SATIN FINISH. TASKI vision matte requires little maintenance and promotes a low matte shine.  
-Apply 2-3 thin coats of finish allowing a minimum of 30 minutes dry time between coats.
- B. **TASKI vision star™** – FOR A HIGH GLOSS SHINE TASKI vision star provides a high gloss finish with extra durability.  
-Apply 2-3 thin coats of finish allowing a minimum of 30 minutes dry time between coats.
- C. **TASKI wiwax™** – FOR A COMBINED DETERGENT/MAINTAINER WITH A SATIN SHINE FINISH. TASKI wiwax cleans and leaves a protective thin film, preventing soils from penetrating the floor.  
- Apply 2-3 coats of a 50/50 (wiwax & water) solution.

## IMPORTANT TIPS FOR RUBBER FLOORS

- Use high CFM vacuum to pick up dust
- Wait for floor to dry before applying coats of floor finishes.
- Apply floor finishes (thin coats) with finish mop.
- For large areas, use auto scrubbers to clean floors.
- For stripping floors, use TASKI ice-it and nylon brush. For poorly maintained floors, you may be required to continue cleaning with ice-it for an extended period.
- For food areas, use TASKI profi (2-4 oz/gal. of water).
- For gum, use any generic gum remover, however, any solvent based product should be rinsed well with water to avoid damaging floor.
- For high traffic areas, top scrub and recoat floor as needed.

## CLEANING AND MAINTENANCE PROGRAM FOR SUPERFLEXX™ MOLDED PRODUCTS

### I. OUTDOOR CLEANING & MAINTENANCE PROCEDURES

#### A. Daily cleaning

- Sweep debris away or hose off dirt.

#### B. Periodic cleaning (as needed)

- Pressure wash with no more than 1200 psi maximum.

### II. INDOOR CLEANING AND MAINTENANCE PROCEDURES

#### A. Daily cleaning

- Vacuum floor or sweep floor to remove loose debris.

#### B. Periodic cleaning

1. Vacuum floor or sweep floor to remove loose debris.
2. Wet scrub floor with Taski Profi cleaner (6-8 oz/gal. of water), using buffer or auto scrubber with Taski Contact pad or nylon brush.
3. Wet vacuum remaining soiled solution, rinse and allow to dry thoroughly (6-8 hours).