



INSTALLATION GUIDE

SUNFLEX RECYCLED RUBBER ROLLS

→ Required Tools

25' tape measure, 100-pound roller, stainless steel ruler, rubber mallet, utility knife with extra blades, knee pads, protective eyewear, chalk line, safety shoes, safety hand gloves, cloths, rubbing alcohol / or water, other tools, materials may be necessary based on the scope of the application.

→ Summary, Conditions of the job site

01. A successful flooring installation is based upon proper preparation. Appropriate time should be allocated to guarantee that your sub-base is adequately prepared. For optimal results, concrete floors should be smooth and level. The end use should be taken into account when determining the appropriate installation works. The rubber rolls should not be installed over carpet.
02. Installation must wait until all other trades have completed their work in the area. To ensure the integrity of the newly installed floor, it is essential to safeguard it with a suitable cover if other trades will be operating in the area afterward. Kraft paper and plastic are both effective options.
03. Ensure that the areas designated for flooring installation are weather-tight and maintained at a consistent temperature of at least 65°F (18°C) for a minimum of 48 hours before, during, and after the process.

→ Subfloor, Underlayment Requirements, Preparations

01. Inspection of all substrates, subfloors, and underlayment is mandatory prior to installation. In order to prevent Sunflex recycled rubber rolls from having performance irregularities, they must be level and seamless. The substructure manufacturer's recommendations and requirements must be adhered to, and the surface must satisfy the standards of ACI 117R.
02. Particleboard, Chipboard, Masonite and Luan/Lauan are not suitable subfloors/underlayment.
03. Concrete subfloors need to be completely cured and thoroughly dry. Concrete shall have a minimum compressive strength of 3000 psi. New concrete slabs should cure for a minimum of 28 days and meet the relative humidity requirements as per ASTM F2710. According to ASTM F710, it is essential that the subfloor is completely devoid of dust, solvents, paint, wax, oil, grease, asphalt, sealers, curing and hardening compounds, alkaline salts, old adhesive residue, and any other unnecessary materials. To prevent flooring issues caused by moisture, ensure you test the concrete or similar materials for moisture levels prior to installation, following the guidelines set by ASTM F-1869.
04. Wood Subfloors - wood subfloors should be double construction with a minimum thickness of one inch. The floor must be rigid, and free from movement with a minimum of 18 inches of well-ventilated air space below.
05. Underlayments - The preferred underlayment panel is the American Plywood Association (APA) underlayment grade plywood, a minimum thickness of 1/4", with a fully sanded face.
06. Mechanically remove all traces of old adhesives, paint, or other debris by scraping, sanding, or scarifying the substrate. Do not use solvents. All high spots shall be ground level and low spots filled with an approved Portland-based patching compound.
07. All saw cuts (control joints), cracks, indentations, and other non-moving joints in the concrete must be filled with an approved Portland-based patching compound.
08. Expansion joints in the concrete are designed to allow for expansion and contraction of the concrete. If a floor covering is installed over an expansion joint, it will likely fail in that area. Use expansion joint covers designed for resilient flooring.
09. Always allow patching materials to dry thoroughly and install according to the manufacturer's instructions. Excessive moisture in patching material may cause bonding problems or a bubbling reaction with the adhesive.
10. The maximum moisture vapor emission of the concrete must not exceed 5-1/2 lbs./1,000 sq. ft. in 24-hours, as measured by the calcium chloride moisture emission test conducted per ASTM F1869. Alternatively, if the RH method is used, the maximum RH should not exceed 85% RH tested following ASTM 2710. If the emissions exceed limitations, the installation should not proceed until the problem has been corrected.
11. pH tests must be taken on all concrete floors. If the pH is greater than 9, it must be neutralized before beginning the installation.
12. Adhesive bond tests should be conducted in several locations throughout the area. Glue down 3' x 3' test pieces of the flooring with the recommended adhesive and trowel. Allow it to set for 72 hours before attempting to remove it. A sufficient amount of force should be required to remove the flooring and, when removed, there should be adhesive residue on the subfloor and th

back of the test pieces.

13. This product is suitable for installation over a radiant heat source.

→ Material Storage, Handling

01. Sunflex recycled rubber flooring should be delivered to the job site in its original, unopened packaging with all labels intact and stored appropriately to prevent damage.
02. Inspect all inventory for visual defects before gluing the product to the subfloor. Roll material should always be stored laying down. Storing rubber on end will curl the edges resulting in the permanent memory of the material. All edges with memory curl must be straight edge cut before installation. Do not store rolls higher than 4 rolls or more than six months. The material should only be stored on a clean, dry, and smooth surface.
03. Any adhesive must be acclimated at room temperature (65F to 75F, 18C to 24C) with a relative humidity of 50% for a minimum of 24 hours, preferably 72 hours, before commencing the installation.
04. In rooms that are exposed to direct sunlight, cover the windows where the direct sunlight permeates to protect the flooring during the conditioning, installation and curing periods.
05. Remove all traces of old adhesives, paint or other debris by scraping, sanding or scarifying the substrate. Do not use solvents.
06. Grind all high spots until level and fill low spots with an approved patching/level compound. Allow patching/level compound to dry thoroughly.
07. All saw cuts (control joints), cracks, indentations and other non-moving joints in the concrete must be filled with an approved patching/level compound. Allow patching/level material to dry thoroughly.
08. Inspect all materials for visual defects before beginning the installation. No labor claim will be honored on material installed with visual defects. Verify the material delivered is the correct style, color, and amount. Any discrepancies must be reported immediately before beginning installation.
09. All our Rubber Flooring Rolls must be unrolled and installed in the same direction. Laying rolls in the opposite direction will cause color variations between the rolls.
10. Roll material is stretched slightly during the manufacturing process. At the job site, the installer should allow all cuts to relax for a minimum of 12 hours (24 hours preferred) before installing. Shaking the material once it is unrolled can help it to relax.

→ Installation guide for Sunflex Recyled Rubber Rolls

01. Assume that the walls you are butting against are not straight or square. Using a chalk line, make a starting point for an edge of the flooring to follow.
02. Remove the Rubber Flooring Rolls from the shrink-wrap and unroll it onto the floor. Lay the flooring on the floor in a way that will use your cuts efficiently. Cut all rolls at the required length, including enough to run up the wall.
03. Allow the cuts to relax in position for a minimum of 12 hours. 24 hours is preferred.
04. Place the edge of the first roll along the chalk line.
05. Position the second roll with no more than a 1/16" overlap over the first roll at the seam. Work the material back to eliminate the overlap. This procedure will leave tight seams and eliminate any gaps.
06. Repeat for each consecutive roll necessary to complete the area or those rolls that will be installed that day.

→ Sunflex Glue Down Method A (3mm, 6mm, 8mm, 10mm Rolls)

01. After performing the above procedures, begin the application of the adhesive. We recommend an industrial one-component moisture-cured polyurethane adhesive. The one-component adhesive should not be mixed. It is specially formulated for use right out of the pail. Apply the adhesive to the substrate using a 1/16" square-notched trowel.
02. Fold over the first drop along the wall (half the width of the roll).
03. Spread the adhesive using the proper size square-notched trowel. Take care not to spread more adhesive than can be covered with flooring within 30 minutes. The open time of the adhesive is 30-40 minutes at 70°F and 50% relative humidity.
NOTE: 8mm or thicker are the only approved thickness for both ice rinks and outdoor applications.
NOTE: Temperature and humidity affect the open time of the adhesive. Temperatures above 70°F and/or relative humidity above 50% will cause the adhesive to set up more quickly. Temperatures below 70°F and/or relative humidity below 50% will cause the adhesive to set up more slowly. The installer should monitor the on-site conditions and adjust the open time accordingly.
04. Carefully lay the flooring into the wet adhesive. Do not allow the material to "flop" into place; this may cause air entrapment and bubbles beneath the flooring.
05. Immediately roll the floor with a 100 lb. roller to ensure proper adhesive transfer. Overlap each pass of the roller by 50% of the previous pass

to ensure the floor is properly rolled. Roll the width first and then the length.

06. Fold over the second half of the first roll and half of the second roll. Spread the adhesive. Spread the adhesive at right angles to the seam to prevent the adhesive from oozing up through the seam. Gently lay (do not flop) flooring into the wet adhesive. Roll the flooring.
07. Continue the process for each consecutive drop. Work at a pace so that you are always folding material back into wet adhesive.
NOTE: Never leave adhesive ridges or puddles. They will telegraph through the material.
08. Do not allow the adhesive to cure on your hands or the flooring. Immediately wipe off excess adhesive with a rag dampened with denatured alcohol. Cured adhesive is very difficult to remove from hands. We strongly suggest wearing gloves while working with polyurethane adhesive.
09. If some seams are gapping, temporarily hold them together with masking tape. Do not use duct tape as it may leave a residue on the floor. Remove the tape after the adhesive develops a firm set.
10. Keep traffic off the floor for a minimum of 24 hours. Foot traffic and rolling loads can cause permanent indentations in the uncured adhesive.

→ Sunflex TAPE Down Method B (10mm Rolls)

01. Dry lay the rubber rolls onto the subfloor.
02. Draw a pencil line beneath all seams to be taped.
03. Use a high-quality double-faced carpet tape with a minimum width of two inches. We recommend industrial-strength Double-faced tape 3" x 75' rolls / Alternative available.
04. Fold over the first drop along the chalk line (half the width of the roll).
05. Apply two strips of the double-faced tape along the seam, one on each side of the pencil mark.
06. Remove the release paper and place the flooring onto the exposed tape.
07. When butting one rubber roll next to another, overlap the seams by no more than 1/16". Work the material back to eliminate the overlap. This procedure will leave tight seams over the tape and eliminate any gaps.
08. Hand-roll the seams to ensure adequate contact. Do not roll the entire floor.
NOTE: The tape method is not an approved procedure for ice rink applications.

HAZARDS

SILICA WARNING: Concrete, floor patching compounds, toppings and leveling compounds can contain free crystalline silica. Cutting, sawing, grinding or drilling can produce respirable crystalline silica (particles 1-10micrometers). Classified by OSHA as an IA carcinogen, respirable silica is known to cause silicosis and other respiratory diseases. Avoid actions that may cause dust to become airborne. Use local or general ventilation or provide protective equipment to reduce exposure to below the applicable exposure limits.

ASBESTOS WARNING: Resilient flooring, backing, lining felt, paint or asphaltic "cutback" adhesives can contain asbestos fibers. Avoid actions that cause dust to become airborne. Do not sand, dry sweep, dry scrape, drill, saw, beadblast or mechanically chip or pulverize. Regulations may require that the material be tested to determine the asbestos content. Consult the document "Recommended Work Practices for Removal of Existing Resilient Floor Coverings" available from the Resilient Floor Covering Institute.

LEAD WARNING: Certain paints can contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Refer to applicable federal, state and local laws and the publication "Lead Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing" available from the United States Department of Housing and Urban Development.

Disclaimer

We have provided the installation instructions contained herein to the best of our knowledge. This information is provided without any warranty or liability for merchantability or fitness for a specific purpose. Due to the diverse range of materials, substrates, and site conditions, it is not possible to provide a guarantee for specific outcomes. Please note that the following information should be taken as general advice and not as legally binding recommendations. We provide expert advice on the application, installation guide and end use of Sunflex rubber flooring products, drawing from our extensive knowledge and experience. It is the installer's obligation to check for any defects before any products are installed, claims will not be warranted for any visual defects after installation. Application, use and interpretation of these instruction are beyond our control and thus full installation responsibility falls exclusive with the installer.

