



7.5mm Thrive Rolls, 14.5mm Strive Rolls and 14.5mm Strive Interlocking Tiles Technical Manual

Manufactured in the U.S.A. by Ecore

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Supersedes all previous versions.
Check website for updates.

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ROLLS – 7.5mm Thrive Rolls and 14.5mm Strive Rolls**I. ROLL JOB SITE CONDITIONS**

1. 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 floor should be protected with an appropriate cover.
2. Areas to receive flooring should be weather tight and maintained at a minimum uniform temperature of 65°F (18°C) for 48 hours before, during, and after the installation.

II. ROLL SUBFLOOR

Thrive and Strive rolls may be installed over concrete, Portland-based patching and leveling materials, and wood.

NOTE: The selected Portland-based patching and self-leveling materials must be moisture resistant and rated to withstand the RH moisture levels on the project.

NOTE: Gypsum-based patching and leveling compounds are not acceptable.

1. 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.
2. Underlayments – The preferred underlayment panel is American Plywood Association (APA) underlayment grade plywood, minimum thickness of 1/4-inch, with a fully sanded face.

NOTE: Particleboard, chipboard/OSB, masonite and lauan are not considered to be suitable underlayments.

3. Concrete Floors – Concrete shall have a minimum compressive strength of 3000 psi. New concrete slabs should cure for a minimum of 28 days before installing rolls. It must be fully cured and permanently dried.
4. Radiant Heat
 1. Thrive and Strive rolls and interlocking tiles are not suitable for installation over radiant heat.

III. ROLL SUBFLOOR REQUIREMENTS AND PREPARATION

1. Subfloors shall be dry, clean, smooth, level, and structurally sound. They should be free of dust, solvent, paint, wax, oil, grease, asphalt, sealers, curing and hardening compounds, alkaline salts, old adhesive residue, and other extraneous materials, according to ASTM F710.
2. Subfloors should be smooth to prevent irregularities, roughness, or other defects from telegraphing through the new flooring. The surface should be flat to the equivalent of 3/16" (4.8 mm) in 10' (3.0 m).
3. 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 a Portland-based patching compound.
4. All saw cuts (control joints), cracks, indentations, and other non-moving joints in the concrete must be filled with a Portland-based patching compound.
5. 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.

6. 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 E-Grip III adhesive.
7. Moisture must be measured using the RH Relative Humidity test method per the ASTM F2170 test standard. Moisture content should not exceed the allowable limit of the selected Ecore adhesive.
 - a. E-Grip III – RH limit of 85% – normally selected
 - b. E-Grip 95 – RH limit of 95% – higher RH applications
 - c. E-Grip 99 – RH limit of 99% – highest RH applications

If RH levels exceed the selected Ecore adhesive's RH limit, stop and correct situation.

8. In the event that a moisture mitigation system is required, it must conform to the ASTM F3010 Standard Practice for Two-Component Resin Based Membrane Forming Moisture Mitigation Systems for use Under Resilient Floor Coverings.
10. Perform pH tests on all concrete floors. If greater than the allowable limit of the selected Ecore adhesive, neutralize prior to installation.
11. 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 to set for 72 hours before attempting to remove. A sufficient amount of force should be required to remove the flooring and, when removed, there should be adhesive residue on the subfloor and on the back of the test pieces.

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 1-10 micrometers). 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.

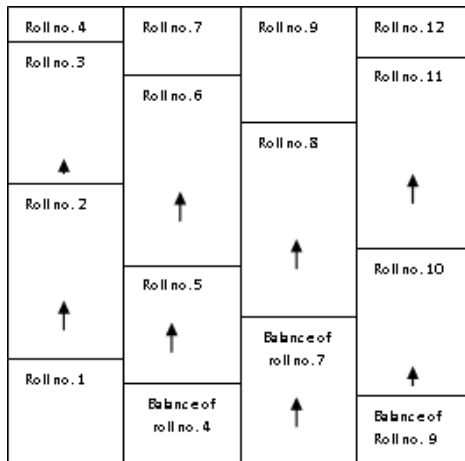
IV. ROLL MATERIAL STORAGE AND HANDLING

1. Material should be delivered to job site in its original, unopened packaging with all labels intact.
2. Note: Shipping pallets, cradles, banding, etc. are not intended for storage. After 7 days, remove material from shipping pallets, cradles, etc. Rubber roll material should always be stored laying

- down; Storing rubber rolls on end will curl the edges resulting in permanent memory of the material. All edges with memory curl must be straight edge cut before installation.
- Material should only be stored inside on a clean, dry, smooth surface. Rolls should be stored with the end of the roll on top, facing up. The end of the roll should not be positioned against an adjacent roll or surface, or welts may be created on that roll and the roll below.
 - Roll material is stretched slightly during the manufacturing process. At the job site, the installer should unroll all rolls and allow to relax overnight. A bare minimum of two hours is required. Shaking the material once it is unrolled can help it to relax.
 - 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.**
 - The material and adhesive must be acclimated at room temperature for a minimum of 48 hours before starting installation.
 - Rolls are labeled with batch numbers and roll numbers. Do not mix batch numbers together and install all rolls in consecutive order.

Note: Custom roll lengths eliminate the possibility of the rolls being manufactured and numbered in the customer's desired installation sequence, and Centaur cannot be responsible for any resulting shading issues.

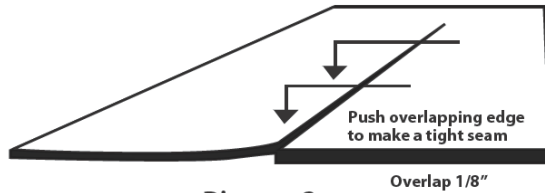
- All rolls must be unrolled and installed in the same direction. See diagram.**



V. ROLL INSTALLATION – DRY LAY AND PREPARATION

- 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. The chalk line should be set where the first seam will be located.
 - Remove the rolls from the shrink-wrap and unroll it onto the floor. Lay the rolls 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. End seams should be staggered and overlapped approximately 3-6".
 - Allow the rough cuts to relax for a minimum of 2 hours but preferably overnight.**
 - Trim end seams **after acclimation** using a square for a tight fit without gaps.
 - Align the first edge to the chalk line.
- Note: it is very important that the first seam is perfectly straight.**
- Thrive and Strive can be difficult to cut. Carefully cut at a slight bevel, causing the bottom layer to be slightly shorter than the finished top layer. If the bevel is cut in the wrong direction, gaps will be seen on the top finished surface.

7. Position the second row with no more than a 1/8" overlap over the first roll at the seam. After adhesive is applied to substrate, the material will be worked back to eliminate the overlap. This procedure will leave tight seams and eliminate any gaps.
8. **Care should be taken to not over compress the seam. Over compressed seams cause peaking.**

**Diagram 2**

9. Repeat for each consecutive roll necessary to complete the area or those rolls that will be installed that day.

NOTE: This product is NOT suitable for installation over in-floor radiant heat.

VI. ROLL INSTALLATION – ADHERING THE ROLLS

1. After performing the above procedures, begin the application of the adhesive. We recommend E-Grip III, a one-component moisture-cured polyurethane adhesive. E-Grip III should not be mixed. It is specially formulated for use right out of the pail. Apply E-Grip III to the substrate using a 1/16" square-notched trowel.
2. Fold over the first drop along the wall (half the width of the roll).
3. Spread the adhesive using the proper size square-notched trowel. Take care not to spread more E-Grip III 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: The open time of adhesive is affected by temperature and humidity. High temperatures and high humidity will cause the adhesive to set quickly. Low temperatures and low humidity will cause adhesive to cure at a slower rate. The installer should monitor on-site conditions and adjust open time accordingly.

4. 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.
5. Immediately roll the floor with a 100 lb. three section flooring 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. Roll a second time within an hour.
6. 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 achieve full coverage across the seam. Roll the flooring.
7. If one side of the seam is slightly higher than the other, use a small J type hand roller, applying pressure on the high side to level out.
8. 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.

NOTE: Do not allow E-Grip III to cure on your hands or the flooring; it is very difficult to remove. We strongly suggest wearing gloves while using E-Grip III.

NOTE: Immediately wipe off excess adhesive from floor with a rag dampened with mineral spirits or denatured alcohol and immediately remove the mineral spirits/ denatured alcohol with a rag damp with water. Use mineral spirits / denatured alcohol sparingly!

9. If some seams are gapping, it is possible to hold them together temporarily with blue painter's tape. **Tape MUST be removed after adhesive has developed a firm set which is approximately 2-3 hours. Allowing tape to remain longer than 2-3 hours or using aggressive tapes may result in adhesive residue. Centaur will not be responsible for residue left behind from tape of any kind.**
10. In some instances, it may be necessary to weigh down the seam until the adhesive develops a firm set.
11. Keep traffic off the floor for a minimum of 24 hours. Floor should be free from rolling loads for a minimum of 72 hours. Foot traffic and rolling loads can cause permanent indentations or debonding in the uncured adhesive.

INTERLOCKING TILE – Strive 14.5mm Interlocking Tiles

I. JOBSITE CONDITIONS

1. **Inspect all tiles for visual defects before beginning installation. No labor claim will be honored on material installed with visual defects. Any discrepancies must be reported immediately before beginning installation.**
2. Care should be taken when moving large or heavy equipment over Interlocking Tiles due to the modular free-floating design of the system. Plywood or other rigid sheeting can be utilized to better disperse the load to avoid tile buckle.
3. This product is intended for indoor use only. Approved temperature range of 55-75 degrees F.
4. Do not use where the flooring will be exposed to fuels, oils, solvents, chemicals, or large fluctuations in temperature.
5. This product is not designed to be used under rolling loads or in commercial applications due to the loose lay design. If full adhesion is required, it is recommended to use rolls.
6. Radiant Heat - Thrive and Strive interlocking tiles are not suitable over radiant heat.
7. Areas to receive flooring should be weather tight and maintained at a minimum uniform temperature of 65°F (18°C) for 48 hours before, during, and after the installation.
8. Install Interlocking Tiles over wood or concrete subfloors, or firmly adhered resilient flooring such as vinyl, linoleum, laminate, ceramic tile, and wood.
9. Surface should be smooth to prevent irregularities, roughness, or other defects from transferring through to the new flooring.

II. MATERIAL STORAGE AND HANDLING

1. Store the material in its original, unopened packaging with all labels intact.
2. Inspect all materials for visual defects before beginning the installation. Verify the material delivered is the correct style, color, and amount. Any discrepancies must be reported to the retailer where the material was purchased.
3. Remove tiles from cartons and allow to sit in the area to be installed, at uniform room temperature, for 48 hours prior to installation.
4. Ensure that job site and subfloor conditions are met.

III. INSTALLATION

1. **Use a carpet tractor to press the interlocks into each other until even.**
2. Install Interlocking Tiles so that the directional markings stamped on the bottom of the tiles point in the same direction. It is mandatory to install these tiles in the same direction.

IV. INTERLOCKING TILE – AREA MAT LAYOUT

1. **Use a carpet tractor to press the interlocks into each other until even.**
2. Interlocking tiles must be installed in the same direction. Directional markings stamped on the bottom of the tiles must point in the same direction.
3. For an area mat layout, lay out tiles to desired length and width and interlock the tabs.
4. If desired, trim perimeter interlocking tabs from area layout with utility knife & metal straight edge.

V. INTERLOCKING TILE - WALL TO WALL LAYOUT

1. Sweep area clear of all dust and loose debris.
2. Determine a starting point for the first course of tile to best suit the site area. Because most walls are not straight or corners square, tile installation generally starts in the middle of the room, so measure the width and length of the space, divide the room into 4 equal quadrants and snap chalk lines that are perpendicular (90 degrees) to each other.
3. Place the first tile's edges where the two perpendicular chalk lines meet.
4. **Use a carpet tractor to press the interlocks into each other until even.**
5. Install interlocking tiles in the same direction by pointing the directional arrows stamped on the bottom of each tile in the same direction.
6. Hint: Adjust the starting point to balance tiles side-to-side to not end up with small cuts of tile against the walls.
7. Cut the last piece to fit against the wall using a metal straight edge and a sharp utility knife. Do not compression fit the tile against the wall. Allow 1/4" around the perimeter for expansion.

ROLL AND INTERLOCKING TILE – Maintenance and Assigned Responsibilities**It is the Specifier's responsibility to:**

- Mandate covering and protection of floor from damage and construction debris until construction is complete.
- Assign to the appropriate party responsibility for the initial cleaning of floor following published procedures.

Centaur recommends our environmentally friendly line of maintenance products, including E-Cleaner.

It is the General Contractor's responsibility to provide:

- A building or installation area that is fully enclosed from the elements, e.g., finished roof, windows, doors, etc.
- Temperature that is climate controlled with a minimum uniform temperature of 65° F for 48 hours prior to, during, and after the flooring installation, for acclimation of flooring materials.
- Protection for those areas of the flooring that are subject to direct sunlight through doors or windows by having the doors or windows covered for such time until the installation of the material is complete.
- Protection for flooring from damage and construction debris by using an appropriate floor covering until such time that the recommended initial cleaning may be performed.

Steps	Cleaning Product	Mixture	Diluted Coverage	Equipment
Initial Cleaning	E-Cleaner	10 oz./gal. water	2,000 sq. ft./gal.	Microfiber mop, Soft Nylon Brush or 3M 5100 Red Pad or equal
Daily Cleaning	E-Cleaner	2-4 oz./gal. water	6,000 sq. ft./gal.	Microfiber Mop, Soft Nylon Brush or 3M 5100 Red Pad or equal
Heavy Soil & Restorative Cleaning	E-Cleaner E-Strip	10 oz. / gal water 16-32 oz./gal. Water	2,000 sq. ft./gal. 500-1,000 sq.ft./ gal.	Brown 7100 or Black 7200 pad as req'd. (Do not use High Productivity Pad)

I. ROLLS CLEANING PROCEDURES

1. Initial Roll Cleaning
 - a. Remove all surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming with a high CFM vacuum. For large areas, use auto scrubbers to clean floors.
 - b. Scrub floor with E-Cleaner (10 oz. /gal. of water), using buffer or auto scrubber with a soft nylon brush or pad per table above. Avoid flooding the floor.
 - c. Pick up solution with a wet vacuum. Rinse with clean water, picking up the rinse water with a wet vacuum and allowing it to dry thoroughly (6-8 hours).
2. Daily/Regular Roll Cleaning
 - a. Remove surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming.
 - b. Damp mop with a microfiber mop or auto-scrub with E-Cleaner diluted (2-4 oz. /gal. of water) and pad per table above.
 - c. Rinse with clean water to remove residue.
3. Heavy Roll Soil
 - a. Remove surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming.
 - b. Scrub floor with E-Cleaner using a low-speed scrubber or auto scrubber with pad per table above.
 - c. Pick up solution with a wet vacuum, rinse with clean water, and allow to dry thoroughly (6-8 hours).
4. Restorative Roll Maintenance
 - a. Remove surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming.
 - b. Heavily scrub floor with E-Strip diluted per table. This cleaning may be performed with an auto scrubber or low speed scrubber with pad per table above.
 - c. Vacuum soiled solution with a wet/dry vacuum.
 - d. Pick up solution with wet vacuum. Rinse with clean water and allow floor to dry thoroughly (6-8 hours).

II. INTERLOCKING TILE CLEANING PROCEDURES

1. Initial Interlocking Tile Cleaning
 1. Remove all surface soil, debris, sand, and grit by sweeping, or vacuuming.

2. Scrub floor with recommended E-Cleaner with a rectangular microfiber mop.
A soft nylon brush may be used in more heavily soiled areas.
3. **DO NOT flood the interlocking tiles with water as the Interlocking design will allow water to pass through.**
2. Daily/Regular Interlocking Tile Cleaning
 1. Sweep, dust mop, or vacuum floor to remove surface soil, debris, sand, and grit.
 2. Damp mop with a microfiber mop using approved E-Cleaner.
3. Heavy Interlocking Tile Soil
 1. Hard-to-clean and greasy areas may require a higher concentration of E-Cleaner and may require a restorative maintenance.
4. Restorative Interlocking Tile Maintenance
 1. Sweep or vacuum to remove loose soil.
 2. Heavy scrub using a rotary scrubber with a Brown or Black Stripper pad and stripper solution of E-Strip. **DO NOT flood the interlocking tiles with water as the Interlocking design will allow water to pass through.**
 3. Pick up solution with wet vac.
 4. Rinse with clean water.
 5. Allow floor to thoroughly dry.

WARRANTY

All Centaur rubber flooring is guaranteed to be free from manufacturing defects on both material and workmanship. If such a defect is discovered, the customer must notify Centaur either through the contracting installer, distributor, or directly. If found to be defective under normal non-abusive conditions, at the discretion of Centaur, the sole remedy against the seller will be to repair, to replace, or to issue a credit not exceeding the selling price of the defective goods. These warranties only apply to the original purchaser.

Please see the Centaur Warranty Guide for length specifics.

This warranty shall not cover dissatisfaction due to improper installation, damage from improper maintenance or usage, or general misuse, including and without limitation: burns, cuts, tears, scratches, scuffs, damage from rolling loads, damage from cleaning products not recommended by Centaur, slight shade variations or shade variations due to exposure to direct sunlight, or differences in color between samples or photographs and actual flooring.

Excluded from Warranty

These warranties do not apply to the following:

1. The exact matching of shade, color, or mottling.
2. Any express or implied promise made by any salesman or representative.
3. Tears, burns, cuts, or damage due to improper installation, improper use or improper cleaning agents or maintenance methods.
4. Wear from chairs or other furniture without proper floor protectors will void the warranty. Care should be taken to protect the flooring from damage by using good quality protective feet for chairs, tables, and other furniture. Chair mats may be required under chairs with casters/wheels.
5. Labor costs for installation of original or replacement material.

6. Sale of "Remnants," "Seconds," "Off Goods" or other irregular (non-first quality) flooring materials. With respect to "Seconds," "Off Goods," or "Remnants" such are sold "as is," and Centaur makes no warranties whatsoever, express or implied with respect thereto, including warranties of merchantability or fitness for a particular purpose.
7. Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor.
8. Problems caused by uses, maintenance, and installation that are contrary to Centaur specifications, recommendations, or instructions.
9. Material installed with obvious defects.
10. Damage to flooring products from high heels or spike heels.
11. Damage to flooring products from rubber mats or rubber backed mats.
12. Installation of Centaur products with adhesives other than those recommended by Centaur.
13. Fading and/or discoloration resulting from heavy sunlight penetration and ultraviolet ray exposure from direct or glass-filtered sunlight.
14. Material that is not installed and maintained as recommended by Centaur.
15. Damage to flooring products from pallet jack and tow-motor traffic.
16. Environments where the product will be exposed to animal fats, vegetable oils, grease, or petroleum-based materials. (i.e.: commercial kitchens our auto repair facilities.)
17. Premature wear and deterioration from spikes and skate blade exposure.
18. Differences in color between products and photography.
19. Embossing / density deviations between product and samples, photography.

These warranties are in lieu of any other warranty expressed or implied. Centaur shall not be liable for any incidental or consequential damages which may result from a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. These warranties give you specific rights, and you may also have rights which may vary from state to state. To know what your legal rights are in your state, consult your local or state Consumer Affairs Office or our State Attorney General. For complete and latest warranty information, please visit www.centaurfloors.com



800-536-9007 | www.centaurfloors.com

Manufactured in the U.S.A. by



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