

ACCORE™ FLOATING LUXURY VINYL PLANK INSTALLATION INSTRUCTIONS

INTRODUCTION

These instructions are written as a guide to be used when installing Tarkett Flooring. These instructions, combined with our adhesives and flooring products, create a system. Utilizing this system will ease the installation process and provide the customer with a completed product that will perform to its intended purpose. Always visit www.tarketthospitality.com for the most current installation and maintenance instructions. Technical videos and tip sheets are also available. Contact Tarkett Technical Services at (800)-899-8916 with any questions.

GENERAL INFORMATION

1. When ordering product for your installation, calculate the quantity needed for the square footage of the area of installation, then add an additional 5-10% for standard (straight) installations or 15% additional for diagonal installations to allow for cuts and to have extra material left over that can be used if a future repair is needed.
2. Tarkett floors are intended for indoor use only.
3. Cartons must be stored horizontally, on a sturdy base at all times.
4. Protect carton corners from damage.
5. Carefully check flooring material for any defects. Contact your supplier immediately if any defect is found.
6. Room temperature must be maintained between 65°F (18.3°C) and 85°F (29.4°C) with ambient relative humidity between 40% and 60% for 48 hours prior to, during the entire installation, and after installation. **NOTE: Permanent, operational HVAC systems are highly recommended. If alternate system is utilized, it must provide proper control of both temperature and humidity for the above stated time durations.**
7. Site-condition flooring, accessories, and adhesives 48 hours prior to installation. The location selected for site-conditioning must be either the room where the flooring will be installed or have similar ambient temperature and relative humidity readings as the room where the flooring will be installed.
8. Exposure to direct sunlight can result in Accore fading and creates excessive heat directly on the finished flooring and surrounding structure which may result in movement. During peak sunlight exposure, the use of drapes or other window treatments are recommended.
9. Remove all existing transitions, quarter round, baseboard molding, or cove base prior to beginning the installation.
10. Transition moldings must be placed at egress doorways and when installations span greater than 30' in any direction.
11. Undercut doorway moldings to the thickness of the flooring.
12. Do not use additional padded underlayment under Accore.

SUBFLOOR GUIDELINES

Subfloor Construction	Requirements
All Subfloors	Permanently dry, clean, smooth, and structurally sound
	Minimum substrate temperature must be 60°F (15.6 °C). Substrate temperature should be a minimum of 5°F (2.8°C) higher than the ambient temperature, and 10°F (5.6°C) higher than the dew point temperature. NOTE: Dew point calculators are available online. If your substrate is not 10°F (5.6°C) above the dew point, contact Technical Services at (800) 899-8916
	Residual adhesives should be mechanically removed to trace amounts and encapsulated with an approved cementitious patching compound or encapsulation. Do not use chemical adhesive removers or solvents. Always follow Resilient Floor Covering Institute's (RFCI's) <i>Recommended Work Practices for Removal of Resilient Floorcoverings</i> . Caution: Some resilient flooring and adhesives contain "asbestos fibers" and special handling of this material is required. WARNING: Do not sand, dry sweep, dry scrape, drill, saw, bead blast or mechanically chip or pulverize existing resilient flooring, backing, lining felt or asphaltic "cutback" adhesive. These products may contain asbestos fibers or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.
	Flat to within 3/16" in 10' (4.8mm in 3m). Any unevenness (humps or dips) must be sanded down or filled with a cement-based patching compound.
Existing Flooring	Resilient Vinyl floors must be smooth, even, non-cushioned and well-bonded to the substrate.

	<p>Ceramic, Porcelain, and Natural Stone tiles must be smooth, even, and well-bonded with a grout line depth less than 1/16" (1.6mm). If grout joint depth exceeds the maximum allowable depth, fill with Portland based patching compound following manufacturer's guidelines.</p>
	<p>Strip Wood Hard Wood Floors must be smooth, even, with a maximum gap width between boards of 1/16" (1.6mm)</p>
Wood Subfloors	<p>Crawl spaces: All suspended wood subfloors must have at least 18" of well-ventilated air space clearance above the ground. The ground under the crawl space shall be covered with 10 mil or thicker polyethylene sheeting to reduce moisture vapor transmission.</p>
	<p>Wood joist or truss systems spacing must be a maximum of 16" on center. Wood or joist truss systems spacing of 16"-19.2 is acceptable for double wood layer construction</p>
	<p>Subfloor panels must be</p> <ul style="list-style-type: none"> • dry, sturdy, smooth and dimensionally stable • Double layer construction, minimum 1" thickness blocked or tongue and groove plywood or oriented strand board (OSB). • good one side and have a fully sanded face with a solid core (no voids). • exterior grade or classified as Exposure I. • panel joints offset by at least 16" so that four corners do not meet • securely fastened to the joists and free from spring or deflection (should not exceed 3/63" [1.1mm] per APA Product Standard 2-10 <i>Performance Standard for Wood-Based Structural-Use Panels</i>. If glue-nail procedures are required, use a solvent-free construction adhesive.
Concrete Substrates	<p>Wood subfloors not meeting the above requirements must be covered with 1/4" minimum thickness underlayment grade plywood. Follow all APA and manufacturer's guidelines for installing underlayment grade plywood.</p> <p>Tarkett recommended underlayments include:</p> <ul style="list-style-type: none"> • APA Underlayment Grade Plywood A-C, B-C, or C-C Plugged • ACCU-PLY • SurePly • TECPLY • ULAY • C.S.A. (CanPly) and Proboard
	<p>Approved for properly constructed and prepared on-grade, above-grade, and below-grade concrete.</p>
	<p>Constructed as recommended by the American Concrete Institute's ACI 302.2 <i>Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials</i>.</p>
	<p>Prepared according to ASTM F710 <i>Standard Practice for Preparation of Concrete Floors to Receive Resilient Flooring</i>. The slab must be swept, damp mopped and/or vacuumed to remove any dust. Any surface materials present must be removed, such as loose paint, wax, grease, oil, adhesive residues, crayon, pen marking, etc. that may migrate to the surface of the flooring causing discoloration. Fill and level any cracks, construction joints, control joints, depressions, grooves, or other irregularities with a high-quality, non-shrinking, latex-fortified, cementitious patching compound.</p>
	<p>DO NOT install Tarkett flooring over expansion joints, or other moving joints in the substrate. These joints must be respected and should not be filled with products that are not intended for that purpose. Contact an expansion joint cover manufacturer to meet specific flooring conditions.</p>
	<p>Complete 3 moisture tests for up to 1,000 ft² (add 1 additional test for every 1,000 after that)</p> <p>Test for moisture in accordance with:</p> <p>ASTM F2170 <i>Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes:</i></p> <ul style="list-style-type: none"> • Must test to within 90% RH <p style="text-align: center;">-OR-</p> <p>ASTM F1869 <i>Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.</i></p> <ul style="list-style-type: none"> • Must test to within 8 lbs. / 1,000 ft² / 24 hours
(Concrete Cont.)	<p>If the moisture test results exceed the limits above, the installation must not proceed until the problem has been corrected. Tarkett does not recommend or warrant any product or procedure for the remediation of high moisture in concrete substrates. There are several companies that manufacture products suitable for moisture remediation.</p>

	<p>Tarkett recommends:</p> <ul style="list-style-type: none"> • Contact Moisture Remediation product manufacturer and supply testing results. • Follow the remediation recommendation provided using products that meet ASTM F3010 Standard Practice for Two Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Flooring Systems. • Cap the moisture remediation system with a cementitious-based product per the moisture remediation system manufacturer's recommendations for primer, thickness, drying time, etc. <p>Install Tarkett flooring over the cementitious-based capping product following our standard installation instructions.</p>
Gypsum	Refer to ASTM F2419 Standard Practice for Installation of Thick Poured Gypsum Concrete Underlayments and Preparation of the Surface to Receive Resilient Flooring for guidelines when pouring gypsum underlayments or preparing for use as an underlayment under Tarkett Accore. Follow the gypsum underlayment manufacturer's recommendations for proper application and preparation.
Radiant Heat	Must be embedded in concrete a minimum of 2" below the surface of the subfloor
	Check the manufacturer of the radiant heat system to ensure it is safe for use with resilient flooring
	Concrete surface must never exceed 85°F (29.4°C)
	24 hours prior to install , lower the thermostat to a minimum of 65°F (18.3°C). Maintain this temperature throughout installation and for 48 hours after completion
	48 hours after installation , gradually increase the thermostat in increments of 5° every twenty-four hours, never exceeding 85°F (29.4°C)

SUBSTRATE PREPARATION

1. All substrates must be dry, clean, structurally sound, smooth, and free from all existing adhesive residues.
2. The substrate must be flat to within 3/16" in 10' (4.8mm in 3m)
3. Fill and level concrete cracks, construction joints, control joints, depressions, grooves, and other irregularities. Use a latex fortified, cementitious patching compound. Follow the manufacturer's recommendation for preparing.
4. Sweep and vacuum or damp mop substrate to remove all dust and debris.

GETTING STARTED

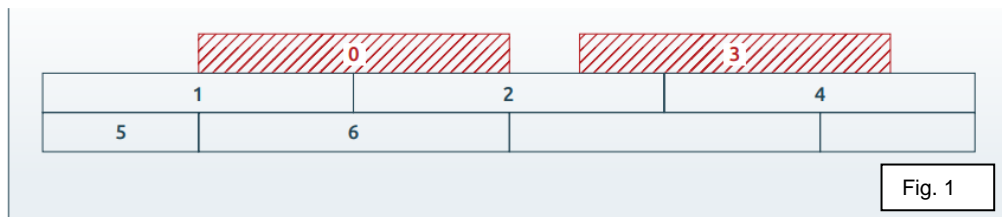
NOTE: Tawny Chevron design will have two different plank styles in each carton to complete a chevron design. Installation will require installing planks alternating in rows (EX: Row 1: plank design 1, Row 2: plank design 2).

1. Inspect all planks for visible defects and damage before and during installation. During installation, inspect the groove area and remove any debris that may prevent proper assembly of planks. Do not install damaged planks. Tarkett will not accept responsibility for claims on flooring installed with obvious defects.
2. Room temperature shall be between 65° F and 85° F (18.3°C-29.4° C) for 48 hours before and during installation. Site-condition flooring, and accessories 48 hours prior to installation.
3. Remove quarter round, baseboard molding, or cove base.
4. Undercut doorway moldings to the thickness of the flooring.
5. Prepare your layout to determine direction and orientation of planks. No transitions are required when installing in Residential applications with fully operational HVAC. **NOTE: Transition moldings must be placed at egress doorways and when installations span greater than 30' in any direction.**
6. Cartons must be stored horizontally at all times.
7. Protect carton corners from damage.
8. Accore floors are floating floors and should not be adhered or nailed to the substrate. The only exception is when installing on stairs.
9. Tarkett floors are intended for indoor use only.
10. Determine in which direction the planks will be installed. To make the room appear larger or if installing in very small rooms or hallways, it is preferable to lay the planks parallel to the longest room dimension.
11. Do not install permanent, fixed cabinets on planks.
12. Carefully measure the room to determine squareness and to determine the width of the last row of planks. If the width of the last row of planks is less than 2" (5 cm), excluding the tongue, the width of first row of planks will have to be cut accordingly. If the length of any cut piece at the end of any row less than 12" (30.5 cm), the first plank in the row will need to be cut accordingly.
13. A minimum 1/4" (6.3 mm) expansion space is required around all walls and vertical objects. Allow a 1/2" (12.7 mm) space for installations over wood substrates that may be affected by moisture or external temperature and humidity fluctuations (i.e., crawlspaces, mobile homes) or when installing in areas without permanent HVAC controls (3 season rooms, seasonal vacation homes and cabins).
14. Although the use of a tapping block and hammer is not required it may help with assembly on the long joints of both plank and stone designs. Make sure that the chosen tapping block is suitable for vinyl and rigid core products. Be careful not to over-tap as this can cause damage to the locking mechanisms.

FLOATING INSTALLATION

Installation Pattern

The installation process outlined here includes the use of two planks as an alignment guide (planks 0 & 3 shown in Fig. 1). Make sure plank 0 is centered across planks 1 and 2. Planks should be staggered in a brick-laying pattern. The minimum length of planks is 12" (30.5 cm), and the minimum width is 2" (5cm).



NOTE: When installing in front of a tub/shower place Tarkett S860 Double Sided Seam Tape along the front of the tub/shower. A bead of flexible, mildew-resistant, 100% silicone caulk should be used to seal the top of the Accore. This must be the only place where Accore is fixed to the subfloor with no expansion space.



Align installation

It is very important that the first 2 rows are aligned. Use a full plank (0) as an alignment guide and place it against the wall. No need for spacers yet.



Install plank 1

Next, take another full length plank, angle it into the middle of the long side of plank 0 and drop. Ensure there are no gaps.



Install plank 2

Take another full length plank and angle it into plank 0. Then slide plank 2 until the short side makes contact with the short side of plank 1.



Engage the short sides

Drop the short side of plank 2 onto the short side of plank 1. Drop & Lock by pushing down firmly, if necessary use a hard PVC mallet to **tap the joints slightly on the short side** to secure. This ensures 3-fold locking.



Align installation

Use a full plank (3) as an alignment guide by placing it against the wall. Angle plank 3 into plank 2.



Install plank 4

Take another full length plank and angle it into plank 3. Then slide plank 4 until the short side makes contact with the short side of plank 2. Drop & Lock by pushing the planks firmly down, if necessary use a hard PVC mallet to tap the joints slightly on the short side to secure. Ensure there are no gaps or height differences.



Finish rows 1 and 2

Start your second row by using half a plank (5) and angle in with plank 1. Make sure the short sides are aligned. Repeat the same steps as above to finish the second row. Ensure there are no gaps or height differences.



Use spacers & slide rows towards spacers

Place the spacers along the walls to create an expansion space of 5mm/0,2 inches. Proceed by gently sliding rows 1 and 2 towards the spacers.



Remove alignment planks (planks 0 & 3)

Remove planks 0 and 3 by angling them out.



Finalize installation

From row 3 onwards, installation does not require a specific laying pattern. To finish the last row, measure the distance from the wall to the last installed row minus 5mm/0.2 inches. Remove spacers when installation is complete. Finish up the room by placing any plinths, molding and trim.



Disassembling the long side

Lift up the entire row with the same angle as you did during installation, then slide the rows apart.



Disassembling the short side

Disassemble the row by sliding apart the planks on the short side. Ensure the planks are laying completely flat. If you cannot slide the panels apart, the short side is not fully engaged. Tap with the mallet to engage then slide out.

FINISHING THE INSTALLATION

1. After all planks have been installed, remove spacers from perimeter of room.
2. For bathroom installations, create a watertight seal by filling the entire expansion perimeter, T-Molding spaces, and other open areas with a 3/8" compressible PE backer rod. Cover the backer rod and remaining gaps with 100% silicone sealant. DO NOT use acrylic sealants. Prior to installing the molding, apply 100% silicone to the portion of the molding or transition that will contact directly with the laminate surface. Clean excess silicone immediately. Apply 100% silicone sealant at connections to door frames, T-joint molding, or any other fixed objects.
3. Install transition moldings. Do not fasten any moldings through the Accore.
4. Pre-drill and install quarter round or baseboard molding. Molding must be sufficient size to cover the 1/4" (6.3 mm) expansion space. Do not fasten moldings through the flooring. Fasten into the wall.
5. Use plywood to cover the top of the flooring when moving heavy furniture or appliances into position.
6. Use proper polished metal or non-staining, smooth plastic floor protectors under the legs of furniture. Floor protectors must have a minimum 1 sq. inch bearing surface.
7. Post installation temperature must be maintained between 65° F and 85° F (18.3° C and 29.4° C). Ideal ambient relative humidity is between 40% and 70%.

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