

INSTALLATION GUIDE FOR LUXURY WOVEN VINYL

CONTRACT GRADE INSTALLATION

Recommended adhesive Taylor Resolute [MS + Resilient] and Seam Sealer [Mannington MSS-20]

1. PREPARING LUXURY WOVEN VINYL FOR INSTALLATION

- 1.1. Goods must be rolled face out, cushion in. Do not crease fabric. All claims and warranties voided if rolled any other way or if product has been cut, fitted, or installed.
- 1.2. Before cutting, check the following: Product Quality, Color, Style, and Dimensions.
 - 1.2.1. Product's weave may not run parallel to the cut edge. Due to the fabric's weaving process, some wave, bow, or skew is normal. Tolerance level is 1.5" in either direction.
 - 1.2.2. It is normal for some patterns to exhibit light or dark shading. This shading can be more evident at seams where two pieces of the same style meet.
 - 1.2.3. If fabric does not meet expectations, please contact customer service.
- 1.3. For 8'6" width fabric, trim off selvage. Trim flat on table with a straight edge, using a new razor blade for each cut. Always cut product from the face side of the fabric. Dull blades may damage the product or produce rough edges. Clean cuts allow for reduced seam visibility. No matter how clean the cut, woven vinyl installations typically show seams.
 - 1.3.1. Note that "T" seams are not recommended with woven vinyl.
- 1.4. Delaminating issues, while not common, can be resolved by spray glue or seam sealer injections. If the area to be repaired is near an outer edge, pull back the face fabric and spray the area with a multipurpose glue. If the area to be repaired is further in, an injectable adhesive is required. Inject the site using seam sealer—depth should be no greater than 1/32" (just through the face fabric). Weight should be applied with both repair methods.

2. PREPARING THE SUBSTRATE

2.1. Approved Substrates

APA Grade Underlayment Plywood
Association Grade Particleboard
Cork Underlayment

OSB
Concrete
Recycled Rubber

- 2.2. Substrate must be smooth, clean, level, dry and free of dust, dirt, grease, oil, paint, curing compounds, incompatible sealers, fire retardant chemicals, release agents, or any other foreign substance that might interfere with a good bond. Subfloor must be smooth and fully adhered. Depending on the type and condition of the subfloor, mechanical treatment of the subfloor such as mechanical brushing, grinding, with coarse sandpaper. It is the sole responsibility of the installer/contractor to ensure that the concrete surface is properly prepared prior to installation. See ASTM F710-11 Standard Practice for Preparing Concrete.
- 2.3 It is necessary that the installer inspects the substrate for cracks or low spots. Apply a cement based patch compound 24 hours prior to installation. The compound is then sanded and vacuum cleaned.
- 2.4 Check floor for hydrostatic pressure and high relative humidity readings in the substrate. Moisture levels of concrete must be below 10lbs per 1000SF (According to ASTM - 1869 Test Method) and 90% RH (Tested in accordance with ASTM F-2170)

3. PLANNING THE SEAMS

- 3.1. The placement of the seams for the project is very important. Please make sure the seams run perpendicular to the light source. Mark and snap a straight line on the substrate for the placement of the seam. The number of seams should be reduced to a minimum. Avoid placing seams that are located near entrances. Avoid cross seams and T seams.

4. INSTALLATION

- 4.1 Adhesive and woven vinyl must be acclimated on-site. The minimum temperature should be no less than 65° - 85° F and 30 - 60% RH for 72 hours before, during, and 24 hours after the installation.
- 4.2 Standard practice for resilient flooring is to unroll the product and let it relax for 24 hours. We strongly recommend this 24-hour timeline. This method ensures best adhesive transfer – a 100% transfer of adhesive onto the foam backing must be obtained.
- 4.3 Apply recommended (Taylor Resolute) adhesive to substrate with an approved notched trowel (1/16" x 1/16" x 1/16"). Check with the preferred adhesive manufacturer for the correct trowel.
 - 4.3.1 Adhesive must wet transfer 100% to flooring product to ensure proper bond. Adhesive working time is approximately 45 - 50 minutes, but will vary with ambient job site conditions.

4.4 Placing and Fitting the seam

- 4.4.1 8'6" ft width Luxury Woven Vinyl rolled goods may come with a selvage edge. It is important to cut back several inches to trim off selvage.
- 4.4.2 Again, It is very important that the installer spends time adjusting/working with the seams both in width and length for the best appearance. Lay all the rolls in the same direction before making any cuts.
- 4.4.3 Place the adhesive along the seam areas first. All installations require bubbles and air pockets to be smothered out with non-sharp edge boards (wood, plastic, or cork) from center pushing to the edges.
- Tidepool, Seaborad, Sandbar and Sweet Grass can be double cut from face only, with a sharp new blade and a straight edge. The roll drops are overlapped in a parallel way before cutting.
 - To cut the seams of a stripe design, Wave, cut next to the stripe accent from face with a new sharp blade and straight edge. The first drop is laid to the straight-line mark on the floor. Then the second roll drop, after matching the design, butt to first sheet.
- 4.4.4 Installations for all products installed with adhesive must be rolled for proper glue transfer with 35- 50 lb. floor roller. Hand roller can be used for smaller installation.

5. FINISHING

- 5.1 Seam sealer or chemical weld is required for seams. (Mannington MSS-20) is recommended as the optimal seam sealer for this product.
- 5.2 All seams must be cleaned and any dust and adhesive removed.
- 5.3 Use masking tape on both sides of the seam to keep sealer off the face of the woven vinyl.
- 5.4 Allow seam seal to cure without traffic for minimum 24 hours.

6. GENERAL TIPS AT FINISH

- 6.1 Traffic for 24 hours after installation should be limited. The glue and seam sealer should be completely dry and hardened before normal foot traffic.
- 6.2 Once the installation has been completed, the surface should be protected, particularly if the area is to be used by other trades during final finishing.
- 6.3 **FAILURE TO ADHERE TO THESE FITTING INSTRUCTIONS WILL VOID ANY CLAIMS**

REGULAR INSTALLATION

1. PREPARING LUXURY WOVEN VINYL (LWV) FOR INSTALLATION

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- 1.2. Before cutting, check the following: Product Quality, Color, Style, and Dimensions.
 - 1.2.1. Product's weave may not run parallel to the cut edge. Due to the fabric's weaving process, some wave, bow, or skew is normal. Tolerance level is 1.5" in either direction.
 - 1.2.2. It is normal for some patterns to exhibit light or dark shading. This shading can be more evident at seams where two pieces of the same style meet.
- 1.3. For 8'6" width fabric, trim off selvage if any. Trim flat on table with a straight edge, using a new razor blade for each cut. Always cut product from the face side of the fabric. Dull blades may damage the product or produce rough edges. Clean cuts allow for reduced seam visibility. No matter how clean the cut, woven vinyl installations typically show seams.
 - 1.3.1. Note that "T" seams are not recommended with woven vinyl.
- 1.4. Delaminating issues, while not common, can be resolved by spray glue or seam sealer injections. If the area to be repaired is near an outer edge, pull back the face fabric and spray the area with a multipurpose glue. If the area to be repaired is further in, an injectable adhesive is required. Inject the site using seam sealer—depth should be no greater than 1/32" (just through the face fabric). Weight should be applied with both repair methods.

2. PREPARING FLOOR FOR INSTALLATION

- 2.1. Floor must be smooth, clean, flat, and dry—no dirt, dust, wax, glossy paint, or any other foreign material. Uneven surfaces should be sanded smooth or filled until surface is completely flat, clean, and dry. Non-wood floors must be fully cured, structurally sound, and free of curing or parting agents. Glossy or metallic surfaces should be sanded to dull the surface.
- 2.2. If floor is made of multiple wooden planks, ensure that the entire floor is level and that there are no gaps or unfilled space between planks. Joints between planks should be level and smooth. Woven vinyl flooring looks best when installed on a completely flat surface.

3. INSTALLING LUXURY WOVEN VINYL (LWV) ON FLOORS

- 3.1. This product has a vinyl back and must be installed using a solvent-free, latex-resin adhesive that works with vinyl. Many adhesives are specifically designed for the installation of most outdoor and marine carpets. Adhesive should also be nonflammable and freeze-thaw stable. For additional security, LWV can also be stapled down to wooden surfaces, applying staples along the edges.
- 3.2. Adhesive and woven vinyl must be acclimated on-site. The minimum temperature should be no less than 65°F for 24 hours before, during, and 24 hours after the installation.
- 3.3. Product should be spread flat and laid open for up to 30 minutes before applying to the floor. This method ensures best adhesive transfer – a 100% transfer of adhesive onto the foam backing must be obtained.
- 3.4. Adhesive should be applied with a paint roller or trowel to the floor only. If a trowel is used, ensure proper trowel notch will achieve a 100% transfer of wet adhesive to fabric. Recommended trowel specs:
 - 1/8" x 1/8" x 1/8" V-Notch; 180 sq. ft./gallon

Allow adhesive to develop tack before placing the woven vinyl. Do not allow the adhesive to dry or develop a skin. Pull woven vinyl back periodically to check for proper adhesive transfer.

- 3.5. Use a dry paint roller, plastic smoother, or similar tool to remove air bubbles and to ensure fabric has made good contact with the floor. Use scissors or razor knife to trim edges.
- 3.6. Use a seam roller to flatten edges at seams and edges. Seams will be visible using woven vinyl fabric.
- 3.7. If installation will have seams, do not glue LWV to LWV – vinyl will not adhere to itself. Overlap the second strip of LWV with the first strip, double cut, and smooth out firmly. Care must be taken to avoid damaging the subfloor. Excess trimmed edge should be removed from the floor and seam closed within one hour. Repeat for each seam.
 - 3.7.1. Note that due to the weaving process, some bow and skew may be expected. Keep these natural variations in mind when seaming LWV.
- 3.8. Clean up any wet adhesive with soapy water. A soft bristle brush can also be used. Blot dry with a clean towel, and be sure to wash any other surfaces clean of adhesive. Dried adhesive should be removed with an adhesive remover.

RECREATIONAL (MARINE OR RV) INSTALLATION

AAT-390 is a solvent free, copolymer adhesive specifically designed for the professional installation of marine carpets and sheet vinyl. AAT-390 offers excellent resistance to moisture when fully cured. AAT-390 is compatible with most carpet backings and felt back sheet goods. AAT-390 is non-flammable, freeze - thaw stable (if allowed to freeze, thaw out at room temperature (70oF+) before using, do not stir adhesive while ice crystals are present). This adhesive is protected by the CleanGuard® two-stage antimicrobial. Clean-Guard® is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from microorganisms, such as mold or mildew, in both the wet and dry state.

AAT-390 MARINE AND EXTERIOR ADHESIVE IS RECOMMENDED FOR THE FOLLOWING INSTALLATIONS:

A. MARINE AND OUTDOOR CARPETS WITH THE FOLLOWING BACKINGS:

- Rubber-backed (Marine, waffle, foam)
- Non-backed (Tufted or woven)
- Woven polypropylene (ActionBac®)
- Latex unitary
- Jute
- PVC
- Polyurethane cushion (Enhancer®, Kangaback®)

Not for use with carpets having urethane unitary backings.

B. SHEET VINYL:

- Felt back
- Vinyl [PVC] backings

C. SUBFLOOR SURFACES:

Sub-floors must be flat and structurally sound. The sub-floor should be flat within 3/16" in 10' or 1/8" in 6'. All paint, varnish, oil, wax, finishes and any other bond inhibiting substances must be removed. Smooth or glazed surfaces must be abraded. Repair all joints and cracks with latexfortified portland cement underlayment. Concrete sub-floors must be properly prepared according to the recommended practices detailed in the document ASTM F-710. Never sand existing resilient flooring that could contain asbestos. Follow all federal, state and local regulations relating to the removal of in-place, asbestos containing material. Very porous sub-floors must be primed with AAT-570 Primer. AAT-390 can be used over the following sub-floors. For interior applications over concrete and gypsum cement the maximum moisture emission rate of 5lbs/1000 sq ft./24 hours [ASTM F-1869] and a maximum in situ RH of 80% [ASTM F-2170]. The sub-floor pH must be 7.0- 9.0 [ASTM F-710]:

- Concrete (clean and fully cured)
- Asphalt paving (clean and fully cured)
- Other clean, sound paving surfaces
- Fiberglass*
- Aluminum*
- APA rated underlayment and marine grade plywood

Note: Aluminum surfaces must be sanded before adhering floorcovering to remove aluminum oxide which will weaken the bond. Aluminum and steel surfaces must be cleaned with a mild solvent (naptha or mineral spirits) before applying the adhesive to remove oils or greases. When used over rubber roof coatings, a permanent bond is formed. Fiberglass surfaces must be sanded and vacuumed. Make sure to thoroughly clean fiberglass surfaces with denatured alcohol or methanol cleaner and let dry. AAT-390 is NOT for use on pressure-treated wood. *Clean and abraded to provide for a mechanical bond.

TECHNICAL DATA:

- Base: copolymer
- Color: White
- Freeze-Thaw Stable to 15°F. Frozen material should be allowed to thaw at room temperature. DO NOT agitate or stir while frozen. Stability and spread-ability can be reduced if frozen. For best results, do not allow the adhesive to freeze.
- Clean-up: wet adhesive with warm water, dry adhesive with AAT-197 Adhesive Remover
- Sizes: 1 gallon and 4 gallon pail
- It is essential that good adhesive contact be achieved. A 100% transfer of floor adhesive into the carpet backing while maintaining full coverage of the sub-floor must be obtained. On stiff backings or on backings that have curling tendencies, the flooring should be laid into the adhesive immediately after spreading and laid open for no more than 30 minutes before reapplying to the sub-floor. This method insures adhesive transfer to improve installation results.

TYPICAL TROWELS AND APPROXIMATE COVERAGE RATES:

<u>Carpet</u>	<u>Sheet Vinyl</u>
1/8 x 1/8 x 1/8 V-Notch	1/16 x 1/16 x 1/16 V-Notch
108 sq. ft. /gal	180 sq. ft. /gal

INSTALLATION RECOMMENDATIONS:

Prior to the start of the installation the installer must determine that the job-site conditions meet or exceed all applicable standards of the carpet/turf manufacturer and AAT. The sub-floor should be prepared according to the standards and practices set forth in the latest version of document ASTM F-710.

1. Sub-floor surface must be sound, smooth and free of loose paint, varnish, curing agents, parting compounds, oil, grease, wax or any other foreign agents or contaminants that could affect the adhesive and bond strength.
2. Minimum environmental conditions are 65°-90°F and 35%-65% relative humidity for both the floorcovering and adhesive for not less than 48 hours before installation. These conditions should be maintained as the adhesive cures. Normal cure time is 24-48 hours, depending on temperature and relative humidity.
3. Spread the AAT-390 using the specified trowel. Allow the adhesive to tack properly (10-15 minutes) maintaining the proper notch throughout the entire installation.
4. Lay floorcovering into the adhesive so as to minimize air bubble and wrinkles. Roll the floorcovering with a 50-75 lb three section roller in both north - south and east - west directions. Check a small area for 100 percent transfer.
5. Keep the installation dry and at room temperature while curing. Exposure to water or rain will wash away the uncured adhesive. Fully cured adhesive is water resistant.
6. Clean up tools or adhesive spills with water while wet. Use AAT-197 Adhesive Remover or safety solvent if the adhesive has dried.