



# TIMBERTIGHT AF URETHANE WOOD ADHESIVE AND MOISTURE BARRIER

TimberTight AF is a Urethane Wood Flooring Adhesive designed for used with all types of wood flooring approved to be installed using the glue down method. When used according to directions this adhesive forms a solid membrane below the wood flooring to protect it from subfloor moisture. **No Pre-Installation moisture testing is required. Do not use with DS-100 or PBR without a 1/16" layer of a Portland-based compound.**

**Packaging: 4 gallon pail**



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## COVERAGE

Flooring	Trowel Recommendation	Approximate Spread Rate
5/8" or less Engineered Plank / Bamboo 1/2" – 5/8" Solid wood plank / shorts	3/16"W x 5/32"D Saw Tooth Gundlach WS Trowel	35-40 ft <sup>2</sup> / Gallon* <b>Moisture Barrier</b>
3/4" Solid Wood Plank, Shorts or Plywood	1/4"W x 3/16"D Saw Tooth Gundlach CWM Trowel	30-35 ft <sup>2</sup> / Gallon* <b>Moisture Barrier</b>
Engineered Plank / Bamboo 1/2" or less and less than 7" wide	1/2" x 1/4" x 3/16" V Notch	60-70 ft <sup>2</sup> / Gallon* <b>NO MOISTURE BARRIER</b>
Engineered Plank / Bamboo thicker than 1/2" or 7" or wider	3/16" x 3/16" x 3/16" Square Notch	35-45 ft <sup>2</sup> / Gallon* <b>NO MOISTURE BARRIER</b>
Solid Wood plank, Shorts or Plywood	1/4" x 1/4" x 1/4" Square Notch	25-30 ft <sup>2</sup> / Gallon* <b>NO MOISTURE BARRIER</b>

\*Spread rate will vary based on substrate texture and absorption rate, trowel angle and other factors. Use this chart as a reference only.

## APPROVED SUBSTRATES

- › Concrete
- › Portland based underlayment
- › Properly prepared gypcrete / lightweight concrete
- › APA rated plywood
- › Terrazzo
- › Radiant heated floors
- › Single layer of approved, fully adhered resilient flooring

## SUBSTRATE PREPARATION

TimberTight AF Adhesive saves the installer both time and money but cannot work if the substrate is not properly flattened prior to installation. 3/16" in 10' is the standard for wood flooring and is often overlooked, if it is overlooked with this type of adhesive it will not protect the wood flooring from moisture. Although moisture testing is not required with this adhesive, it is recommended to test the pH when installing over a concrete substrate. This will help indicate if curing compounds or sealers are present, if they are, they **must** be removed. The pH must be between 7-10. If the pH is outside of these parameters, contact Divergent Technical Services. While this adhesive is designed to prevent moisture from penetrating the wood flooring, it is **not designed** to be used as a mitigation system. If you know you have a substrate with high moisture, You must use a mitigation system, like Divergent Prime & Block before application of the wood flooring.

When the substrate moisture content is below the manufacturers guidelines, this can be used as the adhesive only, allowing the installer to use a smaller trowel and increase the spread rate. This adhesive will **always** tolerate more moisture than the wood flooring. **Always** refer to the wood flooring guidelines for moisture guidelines. **This adhesive provides no moisture protection and will not reduce mver when the sawtooth trowels are not used.**

## STORAGE

Protect adhesive from freezing. Store material in temperature-controlled buildings.

## SHELF LIFE

Unopened packaging stored in proper conditions has a shelf life of 1 year.

## TECHNICAL DATA

Base Polymer	Urethane Adhesive
Color	Yellow-Tan
Shelf Life	1 year in unopened container
Application Temp. Range	65°-95° F
VOC Content	99 grams / liter
After Installation	Foot traffic allowed after 8 hours, heavy traffic or furniture 24 hours
Acoustical Data**	IIC – 69 dB STC – 69 dB IIC – 50 (without drop ceiling)
Working Time	Typically up to 30 minutes depending on ambient conditions

\*Ambient temperature and humidity will greatly affect the dry time of the adhesive.  
\*\*Keep the adhesive clean and free from debris during installation.

## INSTALLATION INSTRUCTIONS

If this is being used as an adhesive only moisture testing is required on all concrete subfloors, regardless of grade level or if the concrete is freshly poured or is classified as an older slab. If the sawtooth trowel is being used to provide a moisture barrier, testing is not required. All moisture testing should be performed using the most up to date ASTM F1869 Anhydrous Calcium Chloride and ASTM F2170. Refer to wood flooring manufacturer for moisture guidelines.

Spread adhesive, with the recommended notched trowel, leaving ridges of enough height to establish complete transfer to back of the wood floor covering. Trowel sizes may need to be adjusted due to subfloor porosity, floor covering backing and open time requirements. Only spread enough adhesive than can be covered in 60 minutes. Divergent Urethane Wood Adhesive is a wet-set adhesive, wood flooring must be placed into the adhesive while it is still wet. Adhesive transfer to the back is required. Periodically pull back boards to make sure there is at least 90% adhesive coverage and transfer. If the adhesive has "skinned" over, the adhesive must be scraped up and re applied. Each manufacturer will have their own specific guidelines for installation that must be followed. Once the flooring has been installed, it must be rolled using a 100 lb. 3-section roller, in both directions.

For Technical Support contact your local Divergent Adhesives Sales Manager or call 407-383-6446.

## RESTRICTIONS

1. Refer to flooring manufacturer for recommendation.
2. Do not use with any vinyl or pvc flooring.
3. For interior installations only.
4. Do not install when MVER is over the manufacturer's recommendation per ASTM F1869 without using the sawtooth application method.
5. Do not install when Relative Humidity is over the manufacturers recommendation when tested in accordance with ASTM F2170 without using the sawtooth application method.
6. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the intended application.

## CLEAN UP

Fresh adhesive can be cleaned with warm, soapy water and a clean rag, dried adhesive will require the use of mineral spirits or other clear solvent.

## WARRANTY

Divergent Adhesives LLC. Offers a limited liability warranty for this material when used in accordance with the label and TDS.



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