

# TIMBERLINE

## TECHNICAL DATA SHEET

### ESSENTIALS LINE

#### WOOD FLOORING ADHESIVE



#### APPROVED FLOORING TYPES

- Hardwood (solid, engineered, parquet) • Recycled rubber • Cork flooring • Bamboo (not strand woven)

#### DESCRIPTION

Timberline Wood Flooring Adhesive is a low V.O.C., one component, moisture curing polyurethane adhesive. Designed for easy trowel-on application over concrete or wood substrates to install materials such as solid (shorts) and engineered wood flooring, parquet flooring, recycled rubber flooring, cork flooring and bamboo flooring (not strand woven).

#### APPROVED SUBSTRATES & SURFACES

- APA underlayment grade plywood and OSB
- Association grade particleboard
- Cement backer board
- Cementitious and anhydrite screeds
- Concrete and radiant heated subfloors that do not exceed 85°F (30°C)
- Existing well-bonded non-cushion-backed vinyl, tile and sheet flooring
- Fully secured cork underlayments
- Gypsum and lightweight concrete (primed with Taylor 2025 Universal Primer or Enhance™)
- Terrazzo (properly prepared with all waxes and surface finishes removed)

#### SUBSTRATE TESTING

**RH** - 75% [ASTM F2170] - Does not offer moisture protection

**pH** - 5-9

**MVER** - 5 lbs [ASTM F1869] - Does not offer moisture protection

#### SUBSTRATE & SURFACE PREPARATION

Follow flooring manufacturer's guidelines for allowable levels of moisture. Substrate must be prepared per ASTM F710 standards including, but not limited to the following:

- Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and curing, sealing, hardening or parting compounds.
- Fill all surface cracks, grooves, depressions, control joints and non-moving joints with Portland-based patching and self-leveling compounds, allow to fully cure and correct high spots before applying adhesive.
- The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-85°F (15-30°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation.
- When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°.
- Wood underlayments must have a moisture content below 12% using a Tramex or Delmhorst moisture meter.

#### PRECAUTIONARY NOTES:

- When installing thin-gauge wood (engineered), irregular substrates may telegraph through as adhesive pulls wood down during curing stages. Therefore, substrates must be properly leveled (see ASTM F710) to prevent telegraphing.
- Concrete must be placed in strict accordance with applicable standards and specifications. An intact moisture vapor retarder must be present below the concrete (see ASTM E1745), must be fully cured (at least 45 days) and without hydrostatic pressure.
- Flooring must be acclimated per manufacturer's guidelines.

## APPLICATION INSTRUCTIONS

Follow flooring manufacturer's guidelines for layout, design and any special precautions for installation. Be sure to wear appropriate personal protective equipment (rubber gloves and eye protection, see SDS for details).

**1.** Spread adhesive using required tools (see tool chart below).

**2.** Install flooring approximately 10 minutes after adhesive is spread to allow it to pre-tack.

- Working time is approximately 45-60 min under acceptable temperature and humidity conditions.
- Wood may slip and move at first so be sure to secure the initial row with approved blue tape to limit movement and hold patterns. Occasionally lift a piece of wood to ensure adhesive is achieving proper transfer. If proper transfer is not achieved, remove dried adhesive and apply more using recommended tool. The use of approved blue tape to temporarily hold the edges together may be necessary until installation is complete.
- When installing near a solid object or wall, use wedges to ensure ample room is left for expansion (see flooring manufacturer's recommended expansion guidelines). Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure. Remove wedges after initial setting of adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the substrate.





**3.** Roll and cross roll floor with a 75-100 lbs (34-45 kg) roller within 1 hour of installation and again within 2 hours to ensure proper transfer of adhesive.

## PRECAUTIONARY NOTES:

- Remove any excess adhesive from the finish of the flooring immediately to avoid damaging the finish coat.
- For installation instructions on wood over 5" wide or 6' long, call Taylor Technical at (706) 712-5823.
- When installing unfinished wood flooring, wait a minimum of 72 hours before sanding.
- Thin-gauge, engineered wood and exotic species are very sensitive to job site conditions.
- Reseal lid when not in use to protect product.

## REQUIRED TOOLS AND COVERAGE

\*Trowel dimensions are width X depth X spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held.

FOR BOND ONLY			
Flooring Types	Tool* (images not to scale)		Estimated Coverage
Finger block parquet, recycled rubber, cork underlayment	1/8" x 1/8" x 1/8" (3.2mm x 3.2mm x 3.2mm) Sq Notch		60-70 sf/gal
Engineered hardwood, cork-backed hard surface, acrylic impregnated plank	3/16" x 1/4" x 1/2" (4.8mm x 6.4mm x 12.7mm) V Notch		Up to 50 sf/gal
3 ply, 5 ply and multi-ply engineered/laminated plank and cork flooring (6" wide or less and 5/8" thick or less). Solid and bamboo flooring (3" wide or less and 1/2" thick or less).	1/4" x 1/4" x 1/4" (6.4mm x 6.4mm x 6.4mm) Sq Notch		Up to 35 sf/gal
Cork underlayment, rubber underlayment	1/16" x 1/16" x 1/16" (1.6mm x 1.6mm x 1.6mm) Sq Notch		150-180 sf/gal

It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the correct amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.

## CLEANING INSTRUCTIONS

**While product is still wet:** use a dry cloth immediately.

**While product is still soft:** use an adhesive remover/stripper or mineral spirits. Always check compatibility on a piece of scrap flooring.

## TIMBERLINE PRODUCT INFORMATION

PRODUCT CHARACTERISTICS	Product Classification	Moisture-Cured Urethane
	Base Chemistry	Urethane
	Curing Method	Moisture Cured
	Appearance	Tan
	Consistency	Smooth, medium viscosity liquid
	Application	Easy troweling
	Flammability	Non-flammable
	Freeze/Thaw	Stable to 10°F (-12°C)
	Shelf Life	1 year
MOISTURE	Moisture Control	None
	RH	75%
	pH	5-9
	MVER	5 lbs
TIME	Open Time	10 min
	Dry Time	N/A
	Working Time	45-60 min
	Cure Time	24 hrs
	Pot Life	N/A
TRAFFIC	Light Traffic	4 hrs
	Heavy Traffic	12 hrs
	Heavy Rolling Loads	N/A
SUSTAINABILITY	VOC (g/L) - SCAQMD Rule#1168	30
	LEED Points	N/A
	Certifications	N/A
ACOUSTICS	IIC (Delta)	N/A
	STC (Delta)	N/A

### STORAGE

This product should be stored at temperatures between 50-90°F (15-32° C). While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F (-12°C).

### CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately.  
KEEP OUT OF REACH OF CHILDREN.

### WARRANTY INFORMATION

For warranty information visit [tayloradhesives.com](http://tayloradhesives.com). Email [tech@tayloradhesives.com](mailto:tech@tayloradhesives.com) for any questions.