

TUFFTAK



L2000 TPSA

TRANSITIONAL PRESSURE SENSITIVE ADHESIVE

TUFFTAK L2000 TRADITIONAL PRESSURE SENSITIVE ADHESIVE (TPSA) brings a new standard to the market around transitional adhesives. TuffTak L2000 TPSA is a very aggressive, high tack transitional adhesive that installs dry, semi-wet or wet and firms as it cures. Engineered for the installation of a wide variety of resilient and modular floor covering types, TuffTak L2000 TPSA is solvent free and offers excellent moisture, pH, and plasticizer resistance.

Advantages:

- 7-12 pH
- 30+ min Dry Time
- 24hrs Cure Time
- Up to 99% RH
- 12hrs Working Time
- Foot Traffic - Immediate Occupancy

Approved Floor Covering:

- Luxury Vinyl Tile (LVT)
- Luxury Vinyl Plank (LVP)
- Modular Carpet Tile Approved Backings: non- PVC, Polyolefin, Felt; up to 99% RH and pH:12, PVC; limited to 95% RH and pH:10
- Vinyl Composite Tile (VCT)
- Vinyl sheet and Fiberglass Reinforced Sheet Flooring, Sheet Goods limited to 90% RH and pH:10
- Solid Vinyl Tile and Plank

Limitations:

- Not for exterior installations
- Not for use to encapsulate asbestos
- Not for use when moisture exceeds 4% per ASTM F2659, or Relative Humidity of concrete substrate exceeds 99% (ASTM F2170)
- Not for use where hydrostatic pressure exists
- Do not use if substrate pH is greater than 12
- Concrete substrate must be a minimum of 5° F above dew point
- Substrate temperature must be between 60°-90° F - 30-65% RH
- Do not install over chemically abated substrates
- Do not install flooring in wet adhesive over a non-porous substrate
- Do not install over adhesive residue or cutback adhesive
- Do not allow product to freeze
- Do not use with dimensionally unstable floor coverings
- Do not use over concrete substrates which have been treated with silicates, either topical or entrained

Suitable Substrates:

- Concrete substrates (at least 28 days old)
- Below grade installations are limited to 95% RH and 10 pH.
- Cement-based self-levelers/patching compounds
- APA underlayment grade plywood and OSB (per manufacturer recommendation)

- Cement backer board
- Cement terrazzo (properly prepared with waxes and surface finishes removed)
- Existing Vinyl Composite Tile (VCT) free of wax and sheet flooring
- Properly primed gypsum based underlayments that meet the ASTM F2419 requirements for compressive strength
- Fully secured cork underlayments
- Concrete and radiant heated subfloors (should be turned off 24hrs prior to installation)
- Radiant heated substrates - Maximum 85° F

Substrate Testing:

- RH: 99% [ASTM F2170] With Limitations Cement terrazzo (properly prepared with waxes and surface finishes removed)
- **Precautionary Note:** TuffTak L2000 TPSA is not a moisture mitigation system and should not be used as one. It simply means that the adhesive will hold up under high moisture conditions, however floor covering may have adverse effects.
- pH: Between 7-12 [ASTM F710] With Limitations

PRECAUTIONARY NOTE: THIS PRODUCT DOES NOT FORM A MOISTURE VAPOR BARRIER AND WILL NOT PROTECT FLOOR COVERING FROM HIGH MOISTURE AND pH

Surface Preparation:

NOTE: FOLLOW FLOORING MANUFACTURERS GUIDELINES. SUBSTRATES MUST BE PREPARED PER ASTM F710 BUT NOT LIMITED TO THE FOLLOWING:

- Concrete substrates must be dry, smooth, solid, structurally sound and level.
- Substrates should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers; topical or entrained, loosely bonded toppings, adhesive residue, loose particles, and any other substance or condition that may prevent or reduce adhesion.
- Fill all surface cracks, grooves, depressions, non-moving joints with a moisture resistant patching or self-leveling compounds.
- Substrate, adhesive and floor covering must be acclimated in an enclosed building with HVAC in operation for 48 hours prior, during, and continuously after installation is complete.
- Ambient temp must be between 60°-90° Fahrenheit.
- Relative humidity must be between 30-65% during and following installation.
- When installing over radiant heated subfloors, heat should be turned off 24 hours before, during, and after installation. When turning radiant heat back on, do so in 5° increments per hour to desired heat temperature. Floor temperature should not exceed 85° Fahrenheit.

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Installation Instructions:

Follow flooring manufacturer's guidelines for layout, design and any special precautions for installation.

DISCLAIMER: FOLLOW THESE INSTRUCTIONS COMPLETELY OR DO NOT USE THIS PRODUCT.

1. *** If unfamiliar with a product, always perform a bond test. Simply spread a small area of adhesive and install the desired floor covering into the adhesive to ensure the desired bond is achieved. ***
2. After surface preparation, spread adhesive using recommended trowel or roller as needed for desired flooring type.

DRY-SET PSA (porous and non-porous substrate):

- After spreading the adhesive using the recommended trowel, wait 30-60 minutes for adhesive to flash off. When ready the adhesive will turn translucent and will not transfer to fingertips when touched.
- Working time: Up to 12 hours depending on ambient conditions and porosity of the substrate.
- Only apply as much adhesive as can be installed within a 12 hour period. Protect the adhesive from dust and debris, which will inhibit proper adhesive bond and decrease tack.

SEMI-WET SET (porous substrates only):

- After spreading the adhesive using the recommended trowel, wait 15-25 minutes for adhesive to flash off installing sheet vinyl into the semi-wet adhesive with transfer to floor covering backing.
- Working time: 20-30 minutes depending on ambient conditions and porosity of the substrate.
- Be sure to install flooring during the working time of the adhesive.

3. After installation, roll flooring with 75-100lb roller to ensure proper adhesive transfer.
 - Sheet goods: Roll from the center towards the perimeter to allow expelling of trapped air.
 - Check flooring after 2 hours and roll again if necessary.

** Wait 6 hours before heat welding on sheet goods**

** Wait 48 hours before wet mopping, stripping, or finishing the floor**

NOTE: Foot traffic may be allowed immediately when installing into dry adhesive. For installations into wet or semi-wet adhesive, allow 12 hours before traffic.

Required Applications and Coverage:

FLOOR COVERING: LVP, LVT, VCT, SVT, Modular Carpet Tile

TROWEL RECOMMENDATION: 1/16"x1/32"x1/32" U Notch

ESTIMATED COVERAGE: Up to 260 sqft/gallon

FLOOR COVERING: Homogeneous and Heterogenous Sheet Goods (porous substrate), double stick pad to substrate

TROWEL RECOMMENDATION: 1/16"x1/16"x1/16" Square Notch

ESTIMATED COVERAGE: Up to 180 sqft/gallon

FLOOR COVERING: Resilient Sheet (fiberglass) and Carpet Tile

TROWEL RECOMMENDATION: 3/8" Short Nap Paint Roller

ESTIMATED COVERAGE: Up to 360 sqft/gallon

Cleanup:

- While wet, use a cloth and soapy water to remove wet adhesive
- When adhesive is dry, use denatured alcohol or appropriate adhesive remover
- Always check for compatibility on a piece of scrap flooring

Storage:

- This product should be stored at temperatures between 50°-90° degrees Fahrenheit.
- This product has a shelf life of 2 years

Disclaimer: Users should determine suitability of this information or product for their own purpose or application. Manufacturer is not responsible for the misuse of this product. This adhesive is not a moisture barrier and should not be installed/treated as such. This adhesive is not a substrate moisture sealer and does not form a protective barrier and is only warranted to maintain an adhesive bond when used over substrates specified in this document. ASTM 2659 impedance readings that exceed 4% may void the warranty.

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