

TUF STIK 9000™ - TRANSITIONAL PRESSURE SENSITIVE (TPS) ADHESIVE

Specially formulated for use with all Shannon Specialty Floors flooring products including barenaked, TUF STUF and Teknoflor, TUF STIK 9000™ is an advanced resin based, cross-linking transitional pressure sensitive adhesive featuring high aggressive peel and shear strength. This solvent-free, nonflammable, easy troweling product provides excellent installations for both vinyl and PVC-Free products including tile and plank, homogeneous and heterogeneous sheet goods over both porous and non-porous surfaces. TUF STIK 9000™ has low odor, and is very quick and easy to use. It demonstrates excellent water and alkali resistance and may be used with confidence over a variety of flooring materials. Plasticizer migration resistance allows installation of a broad variety of floor products.

SUITABLE SUBSTRATES:

Properly prepared double layer wood subfloors with a minimum 1 inch total thickness using APA or other suitable ¼ inch or thicker underlayment grade plywood; terrazzo; ceramic; existing well adhered non-cushion vinyl tile and sheet goods; radiant heated subfloors where surface temperatures do not exceed 85° F (29.40° C); and above, on, or below grade concrete in the absence of hydrostatic pressure, excessive moisture or surface alkalinity. The pH level of concrete must be between 8.0 and 10.0 (do not install if over 10.0 pH). Moisture level of concrete must be at or below 90.0% Relative Humidity (ASTM F-2170) and or 8.0 lbs./1000 sq. ft./24 hours Moisture Vapor Emissions Rate (ASTM F-1869). Wood substrates must be checked with a calibrated pin moisture meter. Readings between the subfloor / structural wood and underlayment panels must be within 2% and be less than 14% moisture content. If test results exceed the adhesive limitations, the installation should not proceed until the problem has been corrected.

SUBSTRATE PREPARATION:

All substrates must be sound, clean, flat and smooth, dry and free of dust, dirt, wax, grease and oil, marker and paint, and any other deleterious contaminants that may stain the flooring or interfere with a good bond. Concrete must be fully cured and free of hydrostatic pressure or excessive moisture or out of spec surface alkalinity conditions and shall be free of incompatible curing compounds or sealers, fire retardant chemicals, release agents and other concrete treatments or additives that may prevent a good bond. Level high spots and fill low spots, crack or depressions using a high quality 3,500 psi cement or calcium aluminate smoothing and patching underlayment according to the instruction of the underlayment manufacturer. Do not fill expansion joints or other moving joints. Always perform a bond test prior to installation. DO NOT install over chemically abated or chemically cleaned substrates. It is the sole responsibility of the installer/contractor to ensure the substrate is suitable and is properly prepared prior to installation.

INSTALLATION:

The installation site must be acclimated with HVAC in operation. The adhesive, floor covering and subfloor surface to receive flooring must be acclimated to within 2° F of each other and between of 65° to 85° F (18° to 29° C) and at a relative humidity of 35% to 65% for 72 hours before, during, and after installation. Follow the Shannon Specialty Floors installation guidelines for detailed instructions.

SURFACE POROSITY (ABSORBANCY):

Determine the surface porosity by placing dime to quarter size drops of clean water on the surface of the floor. If the drops of water are completely absorbed into the surface within 2 minutes the surface is considered to be Porous or absorbent. If the drop of water is still beaded up after 2 minutes, the surface is considered to be Non-Porous or non-absorbent.

Porous Surfaces: May be used either wet or as a pressure sensitive adhesive over porous surfaces. To use wet, apply adhesive with the recommended trowel and allow to flash off for 5-10 minutes before installing flooring. Lay tile, plank or sheet goods into wet adhesive according to flooring manufacturer's instructions. Adhesive must fully transfer to floor product to ensure proper bond. To use as a pressure sensitive adhesive, let adhesive dry to a tacky state and then install flooring according to flooring manufacturer's instructions within 1-2 hours.

Non-Porous Surfaces-Tile & Plank: Apply with the recommended trowel, allow to dry completely from yellow to tan, and lay in the tile or plank according to the flooring manufacturer's instructions within 2 hours. The highly aggressive pressure sensitive grip prevents slippage and minimizes seam gaps. Drying time is generally 30-60 minutes depending on temperature, humidity and surface porosity. Installation over areas of insufficient drying can result in job failure.

Non-Porous Surfaces-Sheet Goods: Apply with the recommended trowel. When installing sheet goods over non-porous surfaces, TUF STIK 9000™ must be allowed to set open for approximately 30 minutes until dry-to-touch. (Dry-to-touch is tacky but no transfer to fingers). Time required will vary with ambient conditions. Adhesive must be open enough to dry on the surface but still allow wet transfer to the back of the sheet goods to ensure proper adhesion and repositioning.

Roll all vinyl installations with a 100 lb. three section roller. Use a 150 lb. three section roller when installing dry to touch or over non-porous surfaces to compress trowel ridges.

RECOMMENDED TROWELS AND COVERAGE RATE:

Type of Installation	Trowel Size* and Notch	Coverage
Tile & Plank Over Porous Substrates	1/16" x 1/16" x 1/16" Sq. 1.6mm x 1.6mm x 1.6mm Sq.	Up to 250 sq. ft./gallon Up to 6.1 sq. meters/liter
Tile & Plank Over Non-Porous Substrates	1/16" x 1/32" x 1/32" U 1.6mm x 0.8mm x 0.8mm U	Up to 350 sq. ft./gallon Up to 8.6 sq. meters/liter
Sheet Goods Over Porous Substrates	1/16" x 1/32" x 1/32" U 1.6mm x 0.8mm x 0.8mm U	Up to 350 sq. ft./gallon Up to 8.6 sq. meters/liter
Sheet Goods Over Non-Porous Substrates	1/16" x 1/32" x 5/64" U 1.6mm x 0.8mm x 2mm U	Up to 400 sq. ft./gallon Up to 8.9 sq. meters/liter

*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. *IT IS THE INSTALLERS RESPONSIBILITY TO APPLY THE PROPER AMOUNT OF ADHESIVE FOR THE JOB CONDITION.*

AFTER INSTALLATION:

Restrict foot traffic for 24 hours and the movement of heavy rolling loads and heavy objects for a minimum of 48 to 72 hours to allow the adhesive to cure properly. Premature traffic can cause indentations, gapping and movement and other installation issues.

When installing homogenous sheet vinyl, it is recommended to trowel the adhesive, then back roll with a short-nap paint roller to minimize the possibility of trowel ridge telegraphing.

PHYSICAL PROPERTIES:

Base: Amide-Ester-Acrylate Resin Blend
 Appearance: Smooth, creamy, easy to trowel. Yellow when wet, tan when dry.
 Working time: Approximately two hours at the recommended temperature and humidity.
 Shelf life: One year in unopened container at 70° F (21° C).
 VOC Content: 13 g/l when tested in accordance with SCAQMD Rule 1168.
 Clean up: WET - Clean cloth with warm water
 DRY - Clean cloth with Heavy Duty Goof Off® water based cleaner or denatured alcohol
 Other features: Waterproof when cured, VOC compliant, non-flammable, freeze/thaw stable to 10° F (-12° C). Made with anti-microbial agents that will provide its dry film with protection from fungal growth. This protection is determined using the ASTM G21 test method.

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

WARRANTY INFORMATION: This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control.

