

## PRODUCT DATA SHEET

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Disclaimer: It is the user's responsibility to review and determine the suitability of this information and product for their intended purpose. The manufacturer is not responsible for the misuse of this product. This Product Data Sheet and the information conveyed herein supersede all previous versions.

### TUF STIK-150™ SPRAY ADHESIVE

TUF STIK-150™ is a high-performance aerosol-applied adhesive suitable for interior installations of Teknoflor® heterogeneous sheet vinyl, plank, and tile flooring. This solvent-free, VOC-free, low odor spray adhesive is non-flammable and ideal for use in occupied spaces and when quick turnover is important. The inverted delivery system allows the installer to apply adhesive from a normal standing position, greatly reducing the handling and application requirements associated with conventional bucket adhesives. TUF STIK-150™ provides a high shear and instant aggressive grab which allows for heat welding immediately after installation, placing the flooring back into service quickly. TUF STIK-150™ Spray Adhesive has outstanding water and plasticizer resistance.

### Suitable Substrates:

Properly prepared double-layer wood substrates with a minimum of 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 vinyl sheet goods, radiant heated substrates where surface temperatures do not exceed 85°F (29°C), as well as above-grade, on-grade, and below-grade concrete. All substrates must be compliant with the most current version of ASTM F710 and ASTM F1482.

### SUBSTRATE MOISTURE LIMITS

<b>CONCRETE:</b>	93.0% RH (ASTM F2170) and pH 8.0-10.0 (ASTM F710).
<b>WOOD:</b>	Wood substrate moisture content should read less than 14% when checked with a reputable pin or pinless moisture meter with material specific settings. Underlayment panels should be properly stored within the project space. Prior to installation, the wood panels shall be fully acclimated to occupancy-conditions and have reached equilibrium moisture content (EMC).

### Substrate Preparations:

All substrates must be structurally sound, well fastened, free of excess deflection, clean, flat, smooth, dry, and free of any deleterious contaminants that may stain the flooring or interfere with a proper bond. Concrete must be fully cured, meet specified moisture limits, and shall be free of curing compounds, sealers, adhesive abatement chemicals, and any other additives or treatments that may reduce bond. Use a high quality suitable 3,500 psi portland cement or calcium aluminate preparation material in accordance with the manufacturers' instructions. Follow the current product instructions for preparation and installation over specific substrates. It is the responsibility of the installer/contractor to ensure the substrate is suitable and is properly prepared prior to installation.

### SURFACE POROSITY (ABSORBANCY)

**Always test the substrate for absorbency. Determining the surface porosity may be established by placing a ¼ inch size drop of potable water onto a properly cleaned substrate using a dropper or pipette from a height no greater than ½ inch. If the droplet of water is absorbed within 1 minute the surface is likely considered porous/absorbent. If the drop of water is still beaded after 1 minute, the surface is likely considered non-porous/non-absorbent. Testing must be done in compliance with the most current version of ASTM F3191.**

### Application:

Before the installation can begin, the permanent HVAC system should be in full operation for as long as necessary for the project area to reach occupancy-conditions but shall not be less than one week. Room temperature should be maintained between 65°F to 85°F (18°C to 29°C) at least 48 hours before and during installation. Ambient humidity should be maintained between 35% to 65% RH. Testing the substrate with an impedance meter testing (refer to ASTM F2659) is highly recommended due to issues related to topical moisture from Dew Point conditions. Substrate surfaces should not read over 3.5% on the impedance meter for an adhesive application.

Always perform a bond test prior to installation to determine the adhesive application rate, open and working times, and to identify any potential bonding issues. To determine the accurate adhesive coverage rate, measure and chalk line the substrate into grids for the appropriate square feet of area for the adhesive application. Evenly spray the entire can of adhesive onto each measured grid area. Coverage will depend on the substrate and the flooring to be installed, generally between 125-150 square feet per 22 ounce can. Be sure to shake the can well before each use. Point the can downwards, press the side of the nozzle tip and slowly walk back and forth using overlapping passes to achieve uniform coverage. Do not use a sweeping motion; this can cause uneven coverage. When using on a non-porous substrate, a lighter application may be necessary. Apply a heavier application for tile and plank products as well as at the seams and around all edges of sheet flooring. Clean the spray tip immediately with a clean wet cloth between uses to prevent accumulation of dried adhesive. If the spray pattern deteriorates, remove the tip and clean out all adhesive. Reapply the nozzle and continue the spray application.

**Open Time:** Allow the adhesive to dry completely with no transfer to fingers when lightly touched. Open time is generally 20-40 minutes and will vary depending on the adhesive coverage, substrate porosity and the ambient conditions. Working time for the adhesive should not exceed 3 hours from application.

**Flooring Installation:** When dry-to-touch, lay flooring onto adhesive. Make sure the flooring is laid tightly together, aligned, and balanced to the room. Roll the flooring cross-directionally immediately after placement into the adhesive using a 100 lb. three section roller. Sheet flooring seams may be heat welded immediately after installation. Normal traffic may be allowed as soon as the installation, finishing, and clean-up are complete.

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**Safety:** Relieve pressure in empty aluminum spray cans and recycle or dispose of in accordance with local requirements. Do not expose to temperatures exceeding 115° F (46°C) as prolonged exposure to heat or direct sun may cause can to burst. **DO NOT ALLOW PRODUCT TO FREEZE.**

**PHYSICAL PROPERTIES**

Composition: Water based synthetic polymer  
Odor: Extremely Low Odor  
Flash Time: Generally 10-20 Minutes – Dry to Touch  
Working Time: Up to 3 Hours depending on conditions  
Shelf Life: 1 year from date of manufacture (stored upright and unused between 65°F to 85°F)  
VOC Content: 0 g/l per SCAQMD Rule 1168  
Clean Up: WET - Clean cloth with soap and warm water  
DRY - Clean cloth with heavy-duty floor cleaner or Goof Off® cleaner. Rinse with clean water after cleaning.  
Storage Temperature: Between 50°F to 95°F (Optimal temperature for full shelf life is 65°F to 85°F)  
Freeze Thaw Stable: No - Maintain Minimum Temperature of 40°F  
LEED: IEQ Credit 4.1--Low Emitting Materials  
IEQ Credit 4.3--Low VOC ratings help qualify installations for this credit as part of a flooring system.  
MR Credit 5--Regional Materials--on jobsites within 500 miles from manufacturing location: Dalton, GA 30721.  
Unit Size: 22 oz. recyclable aluminum can  
Packaging: 6 cans per carton  
Coverage: 125-150 SF per can / 750-900 SF per carton  
Flash Point : Non Flammable  
CARB VOC Category: Aerosol Adhesive  
CARB VOC Limit: 75% - This product contains zero (calculated) VOC's

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

**FIRST AID:** Avoid contact with eyes and skin. For eye contact, flush thoroughly with water for 15 minutes and get immediate medical attention. For skin contact, wash area with soap and water. If swallowed, do not induce vomiting; get medical attention immediately. If inhaled, remove person to fresh air; for difficulty breathing, get immediate medical attention.

**24 HR EMERGENCY CONTACT: CHEMTREC 800.424.9300 CONTACT ID: CCN794556**

**FIRE FIGHTING:** In case of fire use alcohol resistant foam, dry chemical, carbon dioxide, or water spray. Use self-contained breathing apparatus and full protective clothing.