

PREVAIL 4000™

TWO PART EPOXY ADHESIVE

TEKNOFLOR®

PRODUCT DATA SHEET

REVISED FEBRUARY 2024
Page 1 of 2

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.

PREVAIL 4000™ TWO PART EPOXY ADHESIVE

Prevail 4000™ is a solvent free, low VOC, high performance 2-part epoxy adhesive system recommended for the installation of Teknoflor® and TUF STUF™ flooring products (except Icon and Rare Plank luxury vinyl tiles and Medscapes sheet vinyl). It is excellent for use in health care facilities and commercial installations where heavy fixtures or rolling stock will be used.

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.

PREVAIL 4000 is not for use:

- Over substrates with hydrostatic pressure.
- Over substrates with visible surface moisture.
- With Teknoflor ICON Tile and Rare Plank
- With Teknoflor Medscapes sheet

SUBSTRATE MOISTURE LIMITS

CONCRETE: 90.0% RH (ASTM F2170), pH 7-10 (ASTM F710), and or 8.0 lbs. MVER (Moisture Vapor Emissions Rate) (ASTM F1869).
WOOD: 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 PREPARATION:

Always perform a bond test prior to installation. 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. **PREVAIL 4000 requires an abraded/profiled surface such that the adhesive can form a mechanical bond. Surface preparation is critical for new and existing concrete that is power troweled or burnished. Abrade the surface to achieve a CSP 1 (CSP Concrete Surface Profile) that is porous and free of contamination.**

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

Confirm the structure's HVAC system is adequate and fully operational. The flooring material, ancillary products, project-area, and the substrate must be acclimated for as long as necessary to reach occupancy/service conditions. The area must be between 65°F to 85°F (18°C to 29°C) at a relative humidity of 35% to 65% RH before, during, and after installation. Higher temperatures and lower relative humidity requires less time to flash and shortens working time. Always follow the Teknoflor Installation Guidelines.

Add the entire contents of Part B into the Part A can. Immediately mix with a low-speed electric drill and clean mixing paddle for three to five minutes, or until the adhesive is thoroughly combined and is a uniform color. **DO NOT MIX BY HAND.** Adhesive will not cure if not thoroughly mixed. After mixing, immediately apply the adhesive to the substrate and do not allow mixed product to sit in the container. Wash all tools with isopropanol or mineral spirits immediately after mixing.

Begin applying the adhesive immediately with recommended trowel as noted below. Flooring material must be placed into adhesive while wet, so spread only as much adhesive as can be covered within the 50-60 minute adhesive working time. Temperature directly affects adhesive pot life, working and setting times. Higher ambient temperatures shorten working times and colder temperatures lengthen them. Periodically check tile or planks for complete adhesive transfer onto back of material, especially near the end of each adhesive spread. Adhesive transfer must be 100% uniform with no visible trowel ridges, and no seeping or oozing between the seams and joints. If there is little or no adhesive transfer, the adhesive has skinned over, flashed off, or dried, and adequate bonding is not possible. Remove all skinned-over, flashed off, or dried adhesive from the substrate and replace with fresh adhesive before continuing the installation. To minimize tile shifting and adhesive displacement, and to prevent wet adhesive from seeping or oozing from the seams and joints onto the face of the material, do not work on top of freshly installed tiles. If you must work on top of newly installed material, use kneeling and/or walk boards. Avoid direct sun exposure or direct exposure from any heat source during installation to prevent the adhesive from setting too quickly.

PREVAIL 4000™

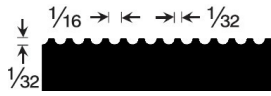
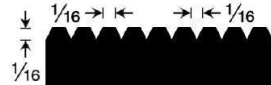
TWO PART EPOXY ADHESIVE

TEKNOFLOR®

PRODUCT DATA SHEET

REVISED FEBRUARY 2024

Page 2 of 2

| Type of Installation | Trowel Size* and Notch | Coverage |
|---|---|-----------------------|
| Flooring materials with smooth or lightly textured back | 1/16" x 1/32" x 1/32" U-Notch 1.6mm x 0.8mm x 0.8mm Gundlach – FFA  | 225-250 sq. ft/gallon |
| Flooring materials with a textured back | 1/16" x 1/16" x 1/16" V-Notch 1.6mm x 1.6mm x 1.6mm Gundlach - ACT  | 165-200 sq. ft/gallon |

*Trowel dimensions are notch width x notch depth x notch spacing. Coverage is approximate and may vary depending on porosity of substrate, surface smoothness and the angle at which the trowel is held. **MAKE CERTAIN THE TROWEL APPLICATOR IS NEW, UNWORN, AND APPLYING THE PROPER AMOUNT OF ADHESIVE.**

Substrate conditions and material backing texture must be taken into consideration. The least amount of adhesive should be used to get full transfer to the backing. A simple bond test can be performed to help make this determination.'

ROLLING THE FLOOR: Roll the flooring cross-directionally as soon as conditions permit, without causing the material to slide or the adhesive to seep or ooze from the joints onto the surface of the material, using a 100 lb. three section roller to ensure transfer of the adhesive to the back of the flooring. Re-roll the floor within 1-hour.

CLEAN UP:

Remove excess adhesive before it cures with isopropanol or mineral spirits applied to a clean, lint-free cloth. Do not allow solvents to sit on the flooring or penetrate the joints. **NEVER APPLY SOLVENT DIRECTLY TO FLOORING.**

CURING TIME AFTER INSTALLATION

Prevent foot traffic for 24 hours and the movement of heavy rolling loads and heavy objects for 48 hours to allow adhesive to cure properly. Premature traffic can cause installation failure.

PHYSICAL PROPERTIES

Base: 2-part Epoxy
 Appearance: Beige Thick Liquid
 Flash Time: 0 minutes
 Working Time: 50-60 minutes at the standard temperature and humidity.
 Shelf Life: One year in unopened container at 70° F (21° C).
 VOC Content: <12 g/L when tested in accordance with SCAQMD Rule 1168.
 Freeze-Thaw: Must be maintained above 40° F (5° C). Non freeze-thaw stable.
 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: Olive Branch, MS 38654.
 Packaging: Part A & B
 Container Size: 1 Gallon (when mixed)

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.

FIRST AID:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists. Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention. Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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.

WARNING: This product can expose you to chemicals including Epichlorohydrin, which is known to the State of California to cause developmental issues in males and to cause cancer. For more information, go to www.P65Warnings.ca.gov.