

PREVAIL™ 4000 2-Part Epoxy Adhesive

Prevail™ 4000 is designed for the installation of luxury vinyl tile and plank over well-prepared porous and non-porous substrates. Excellent for use in health care facilities and commercial installations where heavy fixtures or rolling stock will be used. Suitable for use with all dryback luxury vinyl tile and plank by Metroflor® Corp.

SUBSTRATE PREPARATION:

Suitable substrates include above, on or below-grade concrete (within moisture and alkalinity specifications) APA underlayment grade plywood, radiant heated floors (85°F and below) and well-bonded and properly prepared VCT. All substrates must be clean, dry and free of dust, dirt, wax, paint, grease or any other contaminants that might interfere with the adhesive bond. Always perform a bond test prior to installation. Do not use on chemically cleaned substrates. Cracks and uneven surfaces must be filled with an approved cement-based patching compound. Wooden substrates must be structurally sound, clean and level. Moisture vapor emission rates on concrete substrates on any level must be within installation guidelines. pH must be between 7.0 and 10.0. Moisture tests must be performed on all concrete substrates regardless of grade level or age of slab. Moisture testing must be performed by one of the two following methods: either the most current version of ASTM F1869 Calcium Chloride Test, with moisture levels not to exceed six (6) pounds per one-thousand (1000) square feet in twenty-four (24) hours MVER, or the most current version of ASTM F2170 In-Situ Relative Humidity Test, with moisture levels not to exceed eighty (80) percent. If the test results exceed the limitations noted, the installation should not proceed until the problem has been corrected. Follow current ASTM F710 guidelines.

APPLICATION and INSTALLATION:

The installation site must be acclimated with HVAC in operation. The floor and room temperature, as well as flooring materials and adhesive, must be maintained at 65° to 85° F, and the ambient RH (relative humidity) must be maintained between 35% and 85% for 48 hours before, during, and after the testing and installation. Mix entire contents of Part B into the Part A container by hand with a rotary motion, or using a low-speed rotary mixer and paddle until smooth and uniform in color without streaking. Adhesive will not cure if not thoroughly mixed. Spread the adhesive uniformly with recommended trowel as noted below. Place flooring into the adhesive once the adhesive has reached the appropriate amount of drying time. The amount of time in which you have to place the flooring will vary with temperature and humidity. The higher the temperature and the lower the humidity, the faster the adhesive will set.

Recommended Trowels and Coverage for Porous and Non-Porous Substrates:

1/16" x 1/16" x 1/16" Square notch trowel=125-150sf/gallon.

When installing vinyl plank and tile the adhesive max drying time is 50-60 minutes and must provide sufficient bond to prevent slippage. Loss of adhesion can result if the flooring is not installed within the working time of the adhesive. Roll the installation in both directions with a 100lb 3-section roller immediately after the installation is complete. Then, before adhesive sets, between 1-2 hours depending on ambient room conditions, roll the installation again in both directions with a 100lb 3-section roller.

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.

AFTER INSTALLATION:

Restrict 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 CHARACTERISTICS: (70°F, RH 50%) Drying Time: 50-60 minutes. Working Time: 30-45 minutes. Product Type: 2-part epoxy.

MOISTURE VAPOR EMISSIONS: ASTM F2170: 80% or less • ASTM F1869: 6lbs or less • pH: 7-10.

STORAGE: Protect from freezing.

SHELF LIFE: 1 year in unopened container.

LEED PROGRAM CERTIFICATIONS (where applicable)

- 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.