



INSTALLATION GUIDE for ENVIROHEALTH® PVC-Free Flooring

Suitable Substrates

- Properly prepared concrete and wood substrates are suitable for the installation of EnviroHEALTH flooring. Concrete substrates shall be prepared in accordance with ASTM F 710 “Standard Practice for Preparing Concrete Floors to Receive Resilient Floors”. Wood substrates shall be prepared in accordance with ASTM F 1482 “Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring.” EnviroHEALTH flooring can be installed on all grade levels.

Job Conditions/Substrate Preparation

- Substrates must be dry, clean and free of dust, flat and smooth. The surface must be free from paint, varnish, wax, oils, solvents and other foreign matter. EnviroHEALTH flooring may be installed over existing resilient floors (no more than a single layer of non-cushioned vinyl), metal (steel, stainless steel, aluminum, lead, copper, brass, etc.), hard surfaces (ceramic tile, terrazzo, marble, etc.) and seamless polymeric poured floors. Determining suitability of any existing substrates is the responsibility of and shall be installed over at the discretion of the end user and installation contractor. Contact Base King Technical Services at 1-888-428-3106 or technical@baseking.com to discuss specific jobsite conditions.

NOTE: For specific instructions on removal of existing resilient floor covering, consult the Resilient Floor Covering Institute’s brochure, Recommended Work Practices for the Removal of Resilient Floor Coverings. If information contradictory to Base King’s written instructions is found in the RFCI Guidelines, please call Base King Technical Services immediately to discuss how to proceed. Because both Base King’s EnviroHealth® and EnviroSTIX® are considered “next generation” technology, some of Base King’s Guidelines MAY supersede RFCI Guidelines.

- All construction material, residual adhesives and other sub-floor contaminants **MUST** be removed by mechanical means. Scrape the surface clean or diamond cup grind to remove all surface contamination. For larger installations, diamond cup grinding is recommended. **DO NOT** use chemical adhesive removers. Use of chemical adhesive removers including abatement cleaning chemicals (organic or inorganic) may reduce the adhesion properties and will void the bond warranty of EnviroSTIX® adhesive system.

NOTE: Do not sand, dry sweep, dry scrape drill, saw, bead blast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt or asphaltic “cutback” adhesives. These products may contain either asbestos fibers or crystalline silica. Avoid creating dust. Inhalation of such dust containing respirable fibers or crystalline silica may cause cancer and respiratory tract diseases. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is non-asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

- Smooth all surface irregularities with a suitable patching compound as recommended by the patch manufacturer. For installations with elevated moisture conditions, only use patching compounds that are recommended for high moisture environments.
- Maintain temperature between 65 to 85 degrees Fahrenheit before during and continuously after installation. Permanent HVAC or equivalent construction approved climate control equipment must be in operation a minimum of 7 days before installation and continuously thereafter. Allow all flooring materials to condition to room temperature for 48 hours before installation. Do not use portable heaters or kerosene heaters. After installation, maintain a minimum subfloor surface temperature of 55 degrees Fahrenheit.



Jobsite Testing

Moisture Testing (CaCl and or RH) and pH Testing shall be performed before installation in accordance with ASTM F1869, ASTM F2170 and D4262.

- Moisture Vapor Emission Rate limit – Maximum 18.0 lbs CaCl (ASTM F1869)
- Relative Humidity limit – Maximum 99.0% (ASTM F2170)
- Concrete pH range – Range 7.0 – 11.5 pH (ASTM D4262)

Perform a bond test with a minimum 1 ft. by 1 ft. primed area every 1,000 SF to ensure proper adhesion. Test a minimum of 3 areas per project. Wait 24 hours before lifting the bond tests.

Installation

- Once all substrate preparations are complete and the surface is dry, clean and free of dust, flat and smooth, apply the EnviroSTIX® Primer/Sealer. EnviroSTIX® Primer/Sealer is required to ensure a uniform bonding surface. For areas with moisture levels above 15 lbs MVER or 95% RH, apply 2 coats of primer. Apply with a ¼” nap roller using a paint tray. Dumping the Primer directly on the subfloor will cause non-uniform application and will also cause the Primer to dry more slowly. *Failure to use EnviroSTIX® Primer/Sealer will void the EnviroSTIX® adhesive bond warranty.*
- Place chalk lines on substrate for proper material alignment to room. Once chalk lines are in place to ensure proper placement/pattern, make dry cuts with release paper backing **ON** material. Allow for 2-3 inches of extra material in each direction.
- Once material is dry fitted and in place to install, begin with first cut by folding back the first 4-6 feet on one end and carefully score the release paper backing 2-3 feet from the end of piece being careful not to cut into the material. The material with exposed adhesive will stick immediately to any surface it touches. If flash coving is required, score the paper liner at the juncture of the cove stick and floor to prevent the adhesive from sticking to the wall prior to final fitting. It is helpful to fold back the cut edge 1-2 inches.
- Carefully lay the first cut back onto the substrate making sure the surface is clean and maintaining edge alignment with edge of chalk line. Roll the material on to the substrate with a smooth motion being careful not to trap any bubbles under the floor.

INSTALLATION TIP: *Gradually roll or fold the release paper liner applying short sections/increments of flooring maintaining alignment. If some shifting of the material is required on the sub-floor, mist with a hand spray bottle or small pump sprayer with clean water. Apply mist before exposed adhesive touches floor surface. Applying a light mist will allow the installer to shift the flooring during initial application and aide in removing any trapped air under the material.*

- As you begin to lay the floor immediately roll flooring across the width using a 100 lb. (or greater) roller. Once the installation is complete reroll the flooring in both directions. Minimize walking on the floor until initial rolling has been completed. Once installed, flooring is ready for immediate use. Foot traffic and rolling loads will not affect the bonding of material to the sub-floor.
- Heat welding may be done immediately after the floor is installed.
- Cleanup of any adhesive that gets on the face of the floor can be easily accomplished with Clorox® wipes or hand sanitizer gel, available at most grocery and home improvement stores. To prevent getting adhesive residue on the surface of the installed floor, use a piece of liner paper to place all scraps on during installation.

Contact Base King, LLC® at 1-888-428-3106 or technical@baseking.com to review any questions and for specific installation tips, hints and recommendations.