

The following installation instructions are a recommendation, but are not intended as a definitive project specification. They are presented in an attempt to be used with recommended installation procedures as published by the Resilient Flooring Industry.

### SITE CONDITIONS

The installation site must be acclimated, with the HVAC system in operation. The floor and room temperature, as well as the ECOx2 underlayment, flooring materials and adhesives must be maintained at 65 to 85 degrees F and at a Relative Humidity below 60% for 48 hours prior to, during and after the installation.

### SUBFLOOR REQUIREMENTS

1. All subfloor work should be done in accordance with the recommended procedures as published by Resilient Flooring Institute and/or the specific manufacturer of resilient flooring being installed.
2. Concrete subfloors should be level, properly sloped and structurally sound.
3. Wood subfloors need to be structurally sound, level and be properly prepared to the smoothness required for resilient flooring.
4. Inspect concrete subfloors for any open cracks and fill with a high-grade epoxy filler.
5. Gypsum concrete subfloors must be free of structural cracks and prior to the application of an adhered underlayment or finish floor, must be sealed.
6. Remove any excess lumps or residue from the subfloor that may interfere with the installation of the AcustiCORK CorkPLUS underlayment or would possibly “telegraph” through the finished flooring.

### TESTING FOR MOISTURE

1. If a concrete subfloor is newly constructed and/or on or below grade, test the subfloor for excessive moisture transmission prior to the installation of the AcustiCORK ECOx2 underlayment.
2. If excessive moisture is present, normally > 5 lbs. per 1000 s/f in 24hrs per ASTM F 1869 Calcium Chloride test or Not Exceed 90% R.H. per ASTM F2170 In Situ Relative Humidity Test, (depending on the requirements of the adhesive being used) in the subfloor, corrective action must be taken. Consult the project architect, flooring manufacturer and/or the most recent Resilient Flooring Institute Installation Manual for methods and materials for dealing with excessive subfloor moisture conditions.

### PERIMETER ISOLATION / EXPANSION GAP

1. It is important that the finished flooring not directly contact the perimeter walls or vertical partitions within the floor area, including any openings or protrusions such as electrical boxes, heating ducts, cold air returns, columns or pipes in the subfloor.
2. Perimeter Isolation can be achieved by leaving at least a 1/4” gap between finished flooring and the fixed partitions or walls.
3. As an alternative: a perimeter 3/4” isolation barrier strip can be affixed vertically to the walls or partitions and be trimmed flush with the surface of the finished floor when the floor is installed. (Contact us for details).
4. See section 3 under Applying Glued Down LVT Plank Flooring for details regarding finish trims and maintaining Perimeter Isolation.

### ACOUSTICORK ECOx2 UNDERLAYMENT for GLUED DOWN VINYL PLANK & LINOLEUM FLOORING

1. Cut the 1.9mm AcustiCORK ECOx2 roll material to the desired length and position the material in the space to be covered.
2. Butt the AcustiCORK ECOx2 material or against the wall or any perimeter isolation barrier material already installed at the floor/wall junction.
3. Pull the loose laid material back at least half the length of the cut material. Using a properly sized U or V-notched trowel apply either:
  - 1.) A **100% Polyurethane Adhesive** when applying over either porous or limited porosity surfaces (1/16” trowel recommended) **Note: The 100% Polyurethane Adhesive is recommended to achieve the maximum IIC performance of the system.**
  - 2.) An **Acrylic Pressure Sensitive Adhesive** – The Adhesive should be one recommended for installing LVT and similar products (not VCT) on porous and non porous substrates. (**use the recommended trowel size for low porosity substrates and allow the adhesive to “flash off”**). The adhesive should be tacky to the touch, but still transfer to the finger when touched. Place the AcustiCORK ECOx2 underlayment into the bed of adhesive applied. Repeat the process for the other half of the sheet, rolling in both directions with a 75# or 100# sectional floor roller.
4. Proceed to cover the entire room, making sure the sheets are tightly butted together, without gaps. **Open seams and gaps will “telegraph” through most vinyl and linoleum flooring, so the underlayment work must be as smooth and well seamed as possible.** Roll the floor area in both directions using a 75# or 100# roller to ensure any entrapped air or bubbles are removed. **Never mechanically fasten the sheets to the subfloor, as this will severely diminish the acoustical value of the product.**
5. After completion, the AcustiCORK ECOx2 underlayment should cover the entire floor area without gaps and be securely bonded with the joints tightly butted.

### APPLYING GLUED DOWN LVT PLANK FLOORING

1. Once the underlayment is firmly bonded to the subfloor and does not move or shift with normal foot traffic or work activity (from 1 hour to 12 hours depending on adhesive used and site conditions) Follow the manufacturer’s recommended instructions for installing the finished floor, using the adhesive and trowel size specified. **Note: The AcustiCORK ECOx2 underlayment has very limited porosity, so “wet lay” adhesives will take longer to fully cure.**
2. Trim the Perimeter Isolation Barrier material, if it was previously installed, flush with the surface of the finished floor.
3. If a rigid baseboard or shoe molding detail is required, leave a minimum 1/8” gap between the finished floor and the bottom of the quarter round or baseboard molding. This gap can be filled with a non-hardening, color matching, paintable or clear Acoustical Grade Sealant.

**Note: The floor may need to be protected from potential damage by other trades. Do not drag heavy objects across the floor. Protect the flooring from damage until all other work at the site is done.**

## AcustiCORK™ PRODUCTS

### Sound Control Underlayment & Crack Suppression Membrane

26112 110th Street • PO Box 25 • Trevor, WI 53179 • 1-800-255-2675 • 1-262-862-2311 • FAX 1-262-862-2500

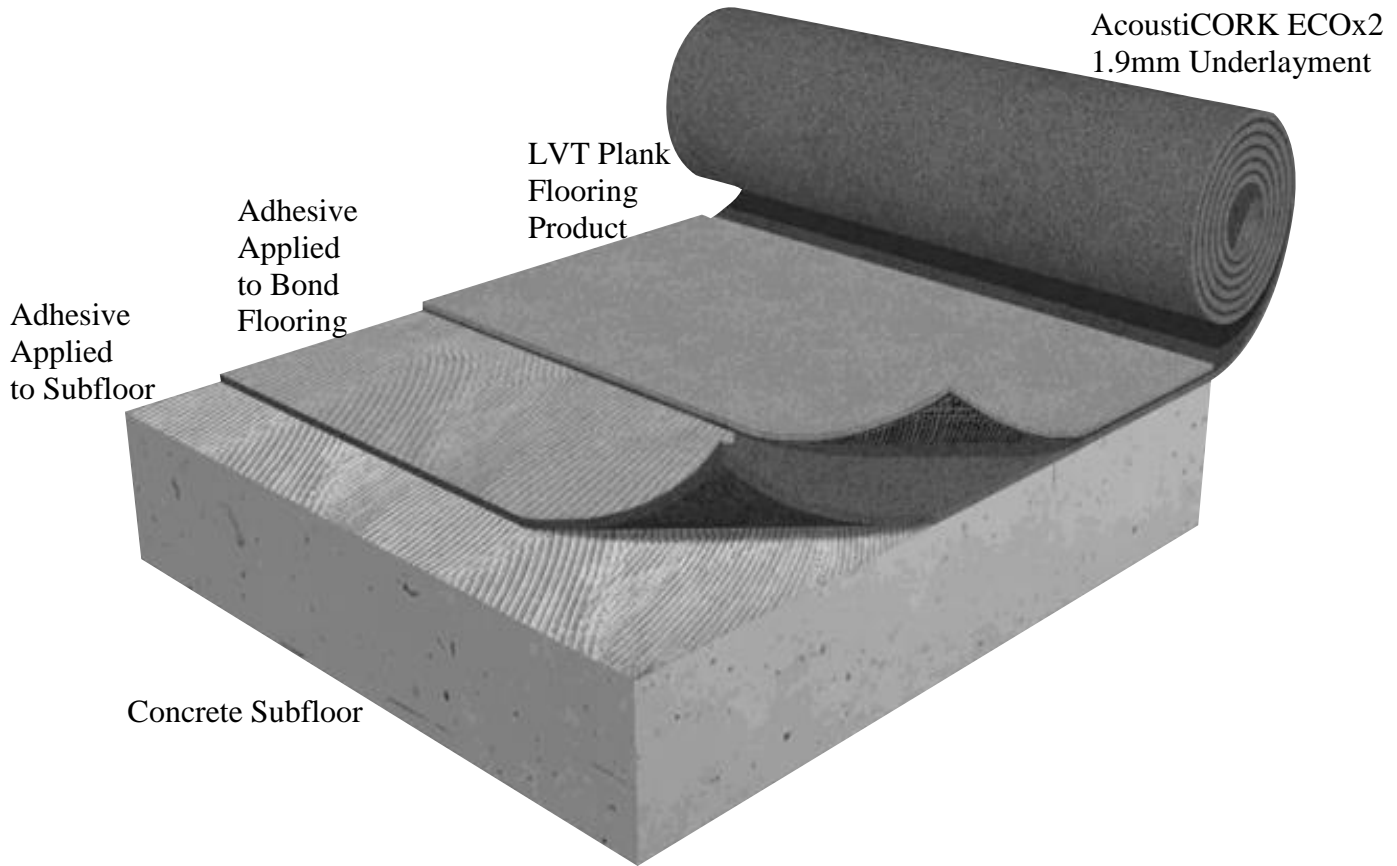
Visit our Website at [www.acousticorkusa.com](http://www.acousticorkusa.com) for the most complete information on AcustiCORK™

# AcoustiCORK™ ECOx2

1.9mm PUR /CORK Blend Sound Control Underlayment

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**INSTALLATION INSTRUCTIONS**  
Glued Down LVT Plank Flooring on  
Concrete/ Wood /Gypsum Subfloors



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