

EW-48U Data Sheet

EarthWerks Acoustical Underlayment for Luxury Vinyl Tile (LVT)

EarthWerks LVT Flooring Underlayment is a Premium Grade highly engineered, cross-linked polypropylene foam. EarthWerks LVT is the ideal choice for most residential and commercial Luxury Vinyl Tile (LVT) flooring applications.

- The highest rated and most effective acoustic barrier on the market. Provides unsurpassed through the floor and footfall noise reduction.
- Proprietary Advanced Cell Technology™
The most robust compression characteristics on the market help to insure the integrity of the tongues and grooves.
- Light, strong and flexible –making it easy to handle and install in nearly all conditions.
- Mold and mildew resistant.
- Exceeds the (40) psi ASTM test standard for compressive strength required for LVT flooring installations
- Resilient, nonreactive and fully recyclable making it an environmentally friendly option
- Surpasses the Indoor Air Quality emissions requirement for California’s Section 01350 -the most stringent volatile organic compound (VOC) emissions standard in North America

Product and Packaging Specifications:

IIC	*69 dB
STC	*66 dB
MVTR	.3 lbs/1000ft ² /24 hrs
R Value	3 ft ² -F-hr/BTU-in
Roll Dimension	35" x 51.4'
Rolls Per Carton	12
Rolls per pallet	120
Pallets per TL	26

*will vary depending on specific floor/ceiling assembly



For more information about EW LVT Underlayment Adhesive System or any of our other flooring underlayment products, please contact us 1-800-275-7943 or at www.earthwerks.com


earthworks
LVT UNDERLAYMENT SYSTEM
High Performance Underlayment and Adhesives

EarthWorks LVT Underlayment Flooring System Statement of Limited Warranty

STATEMENT OF WARRANTY

EarthWorks Warrantor, warrants to its immediate purchaser for resale, the Customer, EarthWorks LVT Underlayment flooring adhesives, the Product, (specifically; EW1-F2U and EW1-U2F Adhesive) to be free from defects in material and workmanship for a period of one year from the date of purchase provided the installation has been performed according to the specific recommendations and the instructions furnished by EarthWorks and the flooring manufacturer's installation instructions. (The Instructions are on the Product label and specification sheet, as well as EarthWorks Specification Guide and Adhesive Guide.) These Products are warranted for the installation of EarthWorks luxury vinyl tile and plank flooring provided the flooring is installed according to the Product's Instructions and the flooring manufacturer's instructions. The sole responsibility of the Warrantor under this warranty shall be to reimburse the Customer for reasonable costs of labor and materials to either repair or replace, at the Warrantor's option, the affected area(s) of the installed flooring. All areas in which the flooring is to be repaired/replaced under the terms of this warranty must be cleared at the end-user's expense of all equipment, furnishings, partitions, and the like, that may have been installed over the floor-covering subsequent to the original installation.

PERFORMANCE OF WARRANTY

To obtain a warranty claim form and/or information, call 1-800-979-7943 (Attention: Claims Department). Any claim under this Limited Warranty must include a claim form properly filled out accompanied by a dated proof of purchase or invoice. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

EXCLUSIONS/LIMITATIONS

This warranty does not apply if (1) the flooring is found to be manufacturing seconds or trials; (2) the sub floor is found unsuitable by normal and prudent installation practices; (3) the Product is not used according to the Instructions; (4) the installation is not performed following the flooring manufacturer's recommendations and written instructions; (5) damage is the result of acts of nature, flooding, vandalism, damage by animals, damage by plant life, or chemical damage; (6) failure is due to excessive moisture emission in the substrate, greater than 3lbs./1000sf/24 hrs., or excessive moisture exposure to the adhesive or flooring. (Moisture emissions should be determined by using a calcium chloride test); (7) problems develop due to defects in the flooring; (8) problems develop due to misuse or abuse of the flooring or adhesive; (9) the Product used is not recommended for the specific use by the Warrantor; (10) damage is the result of settlement, movement, deflection, warpage, distortion, displacement, or any other failure of the structure.

This warranty replaces and excludes other warranties, express or implied. Warrantor specifically disclaims any other warranties, written or verbal, including warranties of merchantability and fitness for a particular purpose. It is solely the responsibility of the third parties such as contractors or the end user to test and determine the suitability of the Product for the intended use and purpose. Warrantor shall not be responsible for determining the compatibility between the Product and vinyl sub floors beyond what is stated in the Instructions. The Warrantor does not assume any risk or any liability regarding such suitability.


earthworks
LVT UNDERLAYMENT SYSTEM

High Performance Underlayment and Adhesives

The replacement/repair remedy stated in this warranty is the exclusive remedy available to the Customer or any other party. Warrantor will not be liable for any incidental, consequential, or other damages of any kind arising out of or connected to the application, or to any use or misuse of the Product, whether any claim is based upon legal theories of contract, tort, or negligence.

This limited warranty will become null and void upon notice from Warrantor if (1) the Customer does not provide the Warrantor written notice within thirty (30) days of the discovery of any alleged deficiency; (2) Warrantor is denied a reasonable opportunity to review and investigate an alleged deficiency; (3) at time of notice Warrantor is due in part or in whole charges for the Product covered under this warranty.

This warranty is made to the Customer only and is nontransferable. No one other than an officer of EWFP is authorized to make any revisions or additions as to the liability of the Warrantor under the terms and conditions of this warranty.

To the extent permitted by law, this Warranty is exclusive as between Warrantor and Customer and specifically excludes and supersedes any and all other warranties, either expressed or implied, including warranties of merchantability and fitness for a particular purpose. Warrantor's liability, whether in tort or in contract, is limited solely and exclusively to the obligation as specifically undertaken herein, except to the precluded by law, and Warrantor's obligations hereunder shall not include any liability for incidental and/or consequential damages, whether based upon theories of tort or contract.

The terms, conditions and obligations created by this Warranty shall be governed by the laws of the state of Texas and any claims arising from this Warranty shall be controlled by Texas law and shall be brought in the Superior Court of Nueces County, Texas, said Court being the exclusive and sole jurisdiction and venue to hear any such claim or claims.


earthwerks®
LVT UNDERLAYMENT SYSTEM
High Performance Underlayment and Adhesives
INSTALLATION INSTRUCTIONS

This document provides the double glue down installation instructions for EarthWerks LVT Underlayment System

INSTALLATION RECOMMENDATIONS:

- The building should be completely enclosed.
- The HVAC system for the building should be operational and provide a consistent temperature of 65-75°F and humidity levels should be between 35-55% for a minimum of 72 hours prior to the installation and remain in operation during and after installation.
- Adequate ventilation should be provided.

These conditions must be maintained to ensure the long term success and performance of the installation.

Before installing the EarthWerks LVT Underlayment:

- The sub-floor must be structurally sound and made flat within 3/16" in 10' or 1/8" in 6'.
- All paint, varnish, oil, wax, finishes and any other bond inhibiting substances must be removed.
- Smooth or glazed surfaces must be abraded. Concrete sub-floors must be properly prepared according to the recommended practices detailed in the document ASTM F-710-11.
- Repair all joints and cracks with latex-based portland cement underlayment.
- Never sand existing resilient flooring that could contain asbestos.
- Follow all Federal, State and Local regulations relating to the removal of in-place, asbestos containing material.
- Very porous sub-floors must be primed with a compatible acrylic primer before applying the EarthWerks LVT Underlayment Adhesive.

EarthWerks LVT Underlayment to Subfloor Adhesive (EW1-U2S) should be used to install the EarthWerks LVT Underlayment over the following sub-floors with a maximum moisture emission rate \leq 3lbs/1000 sq ft. /24 hours [ASTM F1869-10], a pH of 7.0- 9.0 [ASTM F710-11], and a maximum RH of 75% [ASTM F2170-9]:

- Concrete, above, on or below grade
- APA Rated plywood underlayment
- Properly prepared gypsum cement

NOTE: Particleboard and OSB are not recommended underlayments. Strip or plank wood flooring, particleboard and OSB sub-floors should be covered with an approved plywood underlayment (minimum thickness of ¼" (6.4mm)). Before beginning installations over sub-floors not listed contact EarthWerks Technical Services for recommendations. While some Lauan plywood panels are widely marketed as "underlayments", there are a variety of qualities and species sold as such. Some varieties present severe problems when used as underlayments. Frequent problems noted are discoloration, indentation, bond failure and underlayment delamination. EarthWerks will not warrant the installation when applied over Lauan plywood. Regulations may require that existing flooring material or coatings be tested to determine the asbestos content. Refer to the instructions for removal and handling of resilient flooring published by the RFCI in the publication, Recommended Work Practices for Removal of Resilient Floor Coverings. The Resilient Floor Covering Institute may be reached thru their Website www.rfci.org or by calling 301-340-8580.

TROWEL RECOMMENDATIONS:

Underlayment to Substrate:

Recommended trowel for installing the EarthWerks LVT Underlayment to approved sub-floors and the approximate coverage: 1/16" x 1/16" x 1/16" (□) square notch (125-150 sq. ft. /gal.)¹

Floor to Underlayment:

Recommended trowel for installing vinyl plank or LVT over the EarthWerks LVT Underlayment and the approximate coverage: 1/16" x 1/16" x 1/16" (V) notch trowel (180-200 sq ft/gal.)¹

INSTALLATION INSTRUCTIONS:

EarthWerks LVT Underlayment Installation:

Install the EarthWerks LVT Underlayment using EarthWerks Underlayment to Subfloor Adhesive (EW1-U2S).

1. When preparing to install the EarthWerks LVT Underlayment be certain that the product is rolled "shiny side" down. The flooring should be installed over the "rough" side of the EarthWerks LVT Underlayment. Roll out The EarthWerks LVT Underlayment and trim to fit the floor leaving no gaps around the perimeter of the room. The EarthWerks LVT Underlayment should be laid perpendicular to the flooring's direction. Pull back one half of the "cut-in" piece(s).
2. Apply the EarthWerks LVT Underlayment to subfloor Adhesive with the recommended trowel. (See above) Allow 15-30 minutes open time before placing EarthWerks LVT Underlayment into the adhesive. If the sub-floor is non-porous a longer open time will be required. *NOTE: The EarthWerks LVT Underlayment is a non-porous, waterproof membrane. Consideration must be given to the initial "open time" of the adhesive to avoid trapping moisture under the EarthWerks LVT Underlayment. Temperature and relative humidity will determine the actual amount of open time needed and the adhesive's working time. A 100% adhesive transfer to EarthWerks LVT Underlayment is required. If proper transfer is not achieved, remove dried adhesive and re-apply the adhesive with the recommended trowel allowing the appropriate open time before proceeding. Floor fans or blowers can be used to reduce the necessary open time of the adhesive.
3. Roll completed installation with a 35lb. three-section roller in a north-south direction and then in an east-west direction to ensure adequate seating into the adhesive. Do not use a roller heavier than 35lbs.
4. Seams should be butted together leaving no gaps or overlaps. If installing the underlayment on grade, or below grade subfloors, be sure to tape the seams together with two-inch packing tape for added moisture protection.
5. EarthWerks LVT Underlayment to subfloor Adhesive achieves a firm set in 60 to 90 minutes. The installation of LVT can be initiated after this time. Heavy traffic should be restricted for a minimum of 12 hours. If flooring is not to be installed on the same day, take care to protect the underlayment from damage by using plywood panels or other means until the flooring can be installed.

LVT and Vinyl Plank Installation:

1. EarthWerks LVT and the EarthWerks LVT to Underlayment adhesive (EW1-F2U) should be acclimated to the conditions mention above for a minimum of 48 hours prior to the installation.
2. Be familiar with the recommendations and any special instructions from the flooring manufacturer before beginning the installation.
3. Refer to the information above for specific information regarding sub-floor preparation and site conditions. Spread the EarthWerks LVT to Underlayment Adhesive with the appropriate trowel (See above) and allow the adhesive to dry to a clear, tacky state. Consideration must be given to the initial "open time" of the adhesive. Temperature and relative humidity will determine the actual amount of open time needed and the adhesive's working time. Floor fans or blowers can be used to reduce the necessary open time of the adhesive.

4. Place the LVT or plank into the dry, pressure sensitive adhesive. Only spread as much adhesive as can be covered with the flooring in under six hours.
5. Roll the installed flooring with a 75-100 lb. three-section roller. Rolling should take place immediately after the flooring is placed into the adhesive.
6. It is recommended to minimize traffic over the newly installed flooring for at least 24 hours after the installation has been completed. Do not wash or clean the floor for 72 hours after the completion of the installation. To replace furniture and appliances, use plywood panels to protect the flooring.

NOTES:

- Before installing the flooring, the adhesive must be allowed an open or “dwell time” appropriate for the flooring product, job site and sub-floor conditions.
- Trowel dimensions are *depth x width x spacing*. It is extremely important to maintain recommended notch depth, width and spacing. The proper notch depth is that which will produce adhesive ridges that affect a 100% transfer to both the subfloor and the backing of the flooring to include the inner recesses of the texture of the back.
- EarthWerks LVT to Underlayment adhesive has an extended working time of up to six hours after the initial drying, if the area is kept dust free.



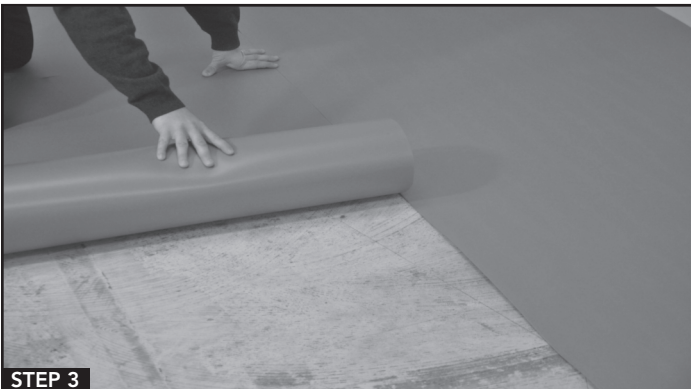
STEP 1

Step 1:
Make sure the sub floor is structurally sound, level and is free of dust and debris. Check for protruding nails and/or defects in the sub floor. If installing over concrete, the concrete must be dry with moisture emission rates that do not exceed 3lbs. per 1000 square feet per 24 hours as measured by the Anhydrous Calcium Chloride Test.



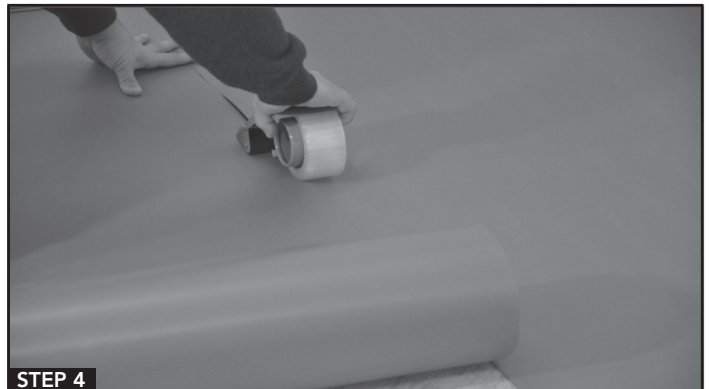
STEP 2

Step 2:
Start in a corner and begin installing the EarthWerks LVT Underlayment parallel to the wall in the opposite direction as you plan to install the flooring planks. When installing the EarthWerks LVT Underlayment, leave at least 2" going up the wall.



STEP 3

Step 3:
Roll out the next roll of EarthWerks LVT Underlayment in the same manner, making sure that the seams are butted together.



STEP 4

Step 4:
If installing the EarthWerks LVT Underlayment on concrete or below grade sub floors, be sure to tape the seams together with 2" tape that meets the moisture vapor transmission rate for this type of installation.

For more information about
EW LVT Underlayment System
or any of our other flooring
underlayment products,
please contact us
1-800-275-7943 or at
www.EarthWerks.com.



STEP 5

Step 5:
Install the flooring per manufacturer's instructions.