

5mm/20mil Dryback Luxury Vinyl Installation & Maintenance

Introduction

LX Hausys LVP products are interior floorcoverings for direct-glue installation on suitable subfloors. The installation site must meet applicable building codes and local regulations.

- Evaluate site conditions, traffic level, design/pattern, substrate, and durability requirements before specifying flooring.
- Confirm quantity, color, design, and lot number before installation. Use identical lot numbers throughout a job.

Dryback LVP is not approved for exterior use, golf shops, locker rooms, wet areas, food processing facilities, or commercial kitchens.

Prior to Installation

Storage

- Store flat stacked evenly (not on edge), indoors, in a dry, ventilated space.
- Temperature: 55–100°F (12.8–37.8°C). Relative humidity: 30–70%.

Inspection

- Visually inspect batch number, color, design, and defects before installing.
- Do not install faulty material — contact your dealer instead.
- Use only one lot/batch number per area; color/shade match is not guaranteed across lots.

Acclimation

- Acclimate flooring on-site for 48 hrs minimum before installation.
- Room temperature: 65–85°F (18.3–29.4°C). Relative humidity: 30–65%.
- Adhesive may require similar acclimation — check adhesive instructions.
- Permanent HVAC must run 48 hrs before, during, and after installation. Portable heaters are not recommended.

Suitable Subfloors

Installer is responsible for substrate testing and preparation per industry guidelines. The manufacturer is not liable for damage caused by an unsuitable subfloor.

Approved substrates

- Concrete (above/on/below-grade) or lightweight concrete — no hydrostatic pressure, excess moisture, or alkalinity.
- Sealed gypsum concrete — same moisture/alkalinity conditions apply.
- Approved plywood underlayment grades (Underlayment, A-C/B-C/C-C Plugged, Marine Exterior, APA-rated Exterior/Exposure 1, sanded face).
- Poplar/Arctic Birch plywood (non-US) fully sanded face, exterior rating.
- Wood subfloors: clean, dry ($\leq 14\%$ moisture), structurally sound, flat within 3/16" per 10 ft, double-layered (1" min. total thickness), 18" ventilated air space beneath.
- Fiber-reinforced gypsum, fiber cement board, or cementitious backer board rated for vinyl flooring.
- Well-bonded, properly prepared existing resilient flooring (single layer only).

- Well-bonded terrazzo, epoxy, polymeric, ceramic tile, or marble (check adhesive requirements).
- Certain metal floors (check adhesive requirements).
- Substrate temperature: 60°F (15.6°C) minimum, at least 5°F above dew point.
- Radiant-heated floors not exceeding 85°F (29.4°C).

Not approved

- Existing adhesive residue, rubber/cork/asphalt tile, textured or cushion-backed resilient flooring.
- "Sleeper" floor systems; plywood laid directly over a concrete slab.
- OSB, particleboard, chipboard, CCA/pressure-treated or oil-coated plywood — unless overlaid with 1/4" min. resilient-rated underlayment.
- CDX or other plywood with knots/defects; softwood underlayment; Masonite or other hardboard; hardwood flooring; carpet.
- Any surface with paint, wax, oil, grease, residual adhesive, mold, mildew, or other bond-inhibiting material.
- Any uneven or unstable substrate.
- The product in this carton does not contain asbestos. WARNING REGARDING EXISTING IN-PLACE FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT TILE OR OTHER FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVE, OR OTHER ADHESIVE. These existing in-place products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust may be harmful and considered a carcinogen and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the existing in-place product is a non-asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern removal and disposal of material. See the current edition of the Resilient Floor Covering Institute (RFCI) publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and instructions on removing all resilient covering structures.

Radiant heat systems

- Max floor temperature: 85°F (29.4°C). Confirm compatibility with your radiant system manufacturer.
- Installation directly over electric heat mats is not approved.
- Maintain $\geq 1/2$ " (13 mm) separation between heating elements and flooring, unless otherwise specified.
- Run the system for several days before installation to stabilize temperature and reduce slab moisture.
- Lower to 65°F (18.3°C) 72 hrs before and during installation.
- 24 hrs after installation, raise temperature gradually — max 5°F (–15°C) per day.

Note: Rugs over radiant-heated floors can raise surface temperature locally.

Concrete subfloors

- Prepare per ASTM F710; patch/level per ASTM F2678.
- Use a vapor retarder beneath on-grade and below-grade slabs.
- Cure and mechanically remove any curing agents, hardeners, or membranes before drying (~30 days per 1" of slab thickness).

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Required moisture/pH testing (any one method):

- In-situ relative humidity (ASTM F2170) — max 80% RH.
- Anhydrous calcium chloride (ASTM F1869) — max 5 lbs./1000 ft² MVER.
- Non-destructive CMM electronic meter (ASTM F2659) — max 5%, minimum 8 test locations. Residential use only.
- Alkalinity/pH test — conduct after 48 hrs at 65–85°F / 30–65% humidity. Acceptable range: pH 5–10. Light sanding or damp-mopping can lower alkalinity.
- Surface porosity test — required before adhesive application.

Concrete slab preparation

- Clean thoroughly: remove sealers, curing compounds, grease, oil, adhesive residue, dirt, and paint.
- Flat within 3/16" per 10 ft; slope under 1" per 6 ft.
- Grind uneven areas smooth; level cracks/depressions with a portland cement-based patch.
- Overly porous, dusty, flaky, or soft concrete needs mechanical removal and/or a primed cement-based underlayment.
- Honor expansion/isolation joints — do not fill or cover; use approved expansion joint covers. Control joints (saw cuts) may be patched once fully cured.

Gypsum / lightweight cellular concrete

- Minimum compressive strength 2000 psi and/or dry density ≥90 lbs/ft³, prepared per applicable ASTM specs.
- Unsealed gypsum is porous and dusty and will cause bond failure if untreated — get written confirmation the surface was properly sealed, or test per the relevant ASTM method.
- Run a surface porosity test; if water absorbs quickly, stop and contact manufacturer technical support.
- Check moisture content — must not exceed adhesive limits or 80% RH.
- Use only patching compounds rated for gypsum/lightweight concrete.

Job Site Conditions

- Complete other trades before starting flooring installation.
- Space must be fully enclosed and weather-tight, HVAC maintained at 65–85°F (18.3–29.4°C) during and after installation.
- Ensure adequate lighting throughout installation.
- Floors must be smooth, dry, clean, and free of dust, solvents, grease, oil, paint, wax, polish, or old adhesive.

Note: Bond, moisture, and pH tests run before the space is climate-controlled may give false readings — conditions can shift once HVAC is stabilized.

Installation

Installers must follow all regional requirements for direct glue-down LVP installation.

Layout

- Determine pattern and direction; measure area width at each end.
- Mark a pencil starting line near room center (adjust to avoid small perimeter cuts).
- In corridors/small spaces, work lengthwise from one end using the centerline as reference.
- If the last row will be less than half a plank wide, shift the starting line by half a plank-width.

- Use pencil only — no pen or permanent marker.
- Stagger end joints randomly by at least 8 in. to avoid stair-step or H-joint patterns.

Cleaning

- Vacuum the substrate with a HEPA-filtered vacuum; re-vacuum if significant time has passed before installation.

Cutting

- Mark the cut line in pencil, score several times with a utility knife against a speed square, then snap downward.

Adhesive application

- Use an eco-friendly adhesive meeting health and safety standards. Solvent-based adhesives are prohibited and void manufacturer responsibility for resulting damage.
- Recommended: acrylic-based adhesive, specifically Bostik A499.
- Install into semi-wet adhesive only, unless the adhesive manufacturer specifies otherwise for wet-set or non-porous substrates.
- After rolling, at least 80% adhesive ridge transfer must show on the plank back.
- Coverage, flash time, working time, and cure time vary with temperature, humidity, and substrate porosity.
- Run a bond test mock-up after substrate prep and before full installation.

Flooring installation

- Blend material from multiple boxes for a consistent, random appearance.
- Inspect every piece before installing — damage, gloss, or shade variation. Defective material installed anyway is not covered for removal, subfloor repair, or replacement labor.
- Set the first row along the layout line, joints snug but not compressed. Straightness tolerance: 1/16" over 20 ft, 1/32" under 20 ft.
- Spread only what you can cover in the 4-hour working time, at ~45° with the specified trowel notch — no skips, puddles, or sharp turns.
- Let adhesive open 15–30 minutes until dry to the touch. Never install into wet adhesive.
- Start at the centerline intersection and work outward to the walls. Place the first row precisely — it sets the reference for the rest of the floor.
- Fit each plank flush and tight to its neighbor, ends aligned; lay row-by-row or pyramid-style. Don't slide planks through adhesive.
- Unless a pattern is specified, orient all directional arrows the same way, with randomized plank placement to avoid stair-step/H-patterns.
- Roll the completed section fully (width, then length) with a 3-section roller (or 100 lb. roller) — incomplete rolling risks bond failure.
- Wipe adhesive residue immediately with a damp cloth; use 70% isopropyl alcohol for dried residue.

Accessories & Finishing

- Protect from heavy traffic for at least 24 hrs (light foot traffic is fine).
- Shield from prolonged direct sunlight — cover nearby windows/glass doors.
- Maintain controlled temperature and humidity in the installed space.
- Wait at least 5 days before wet cleaning (mopping/scrubbing).

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Care & Maintenance

Regular maintenance

- Vacuum (no beater bar) or sweep regularly.
- Damp-mop with a microfiber pad or clean mop/sponge, using a neutral-pH cleaner at the manufacturer's dilution ratio.
- Rinse stubborn areas as needed; use a melamine pad for scuffs.
- Avoid paint, dye, harsh chemical, and acid spills; wipe up any spills, standing water, or pet urine immediately.
- Do not wax or apply top coats.

Floor care chemicals

- Improper use, overuse, or inadequate rinsing of cleaning chemicals can damage or discolor the floor.
- Do not use abrasive powders, highly alkaline products (ammonia, soda), bleach, or strong solvents (e.g., acetone).

Protection

- Protect the floor for the duration of the project — use hardboard covering when rolling furniture or moving appliances.
- Furniture/equipment contact points need resilient-floor-rated footings, casters, or glides with ≥ 1 " flat surface area (flat, not convex).
- Use non-staining walk-off mats at exterior entrances to reduce dirt, sand, salt, and grit.

Dry Back Luxury Vinyl (5.0 mm/20 mil wear layer) Limited Warranty

LIMITED LIFETIME RESIDENTIAL WARRANTY

The manufacturer warrants that the Dry Back Luxury Vinyl (2.0 mm/8 mil wear layer) will be free from manufacturing defects for a period of 1 (one) year from the date of purchase. If such a defect is reported and upon validation of the defect by the Manufacturer, the Manufacturer will authorize repair or replacement of the affected area of installed flooring.

This section of the warranty document covers products applied in a single-unit residential dwelling, defined as a single installation in a residential home, condominium, apartment, or loft. For multiple-unit installations such as multi-family housing or multi-use facilities, flooring installed inside individual dwelling units of multi-family buildings (apartments, condominiums), excluding common areas, will be covered under this residential warranty. Non-living areas, including but not limited to corridors, hallways, lobbies, and other common or shared spaces, as well as any retail or commercial areas within mixed-use facilities, are not considered residential use and will be classified as commercial. The Manufacturer reserves the right to classify each installation as residential, light commercial, or commercial.

RESIDENTIAL WEAR WARRANTY PROVISIONS:

- Manufacturer will supply new material of the same color, design, and grade, if available; if unavailable or discontinued, Manufacturer reserves the right to select and supply similar Manufacturer materials. After corrective action is taken on an existing defect, you will continue to receive warranty coverage for the remaining period of the original warranty.
- One replacement floor will only be made for the wear out, fading and staining. Claimants who received settlement may not claim again and no additional replacement floors will be supplied.
- Alternatively, up to 100% of the original cost of the material will be refunded. The percentage of the original cost refundable depends on the amount of time elapsed since the date of purchase:
 - Within 1 year - 100%
 - Within 2-5 years - 70%
 - Year 5 until the end of specified wear warranty term — 50%
- The costs of professional labor will be reimbursed within the approved labor charges put forth by Manufacturer, provided that the installation has been performed according to Manufacturer' Installation guidelines, standard industry practices, and use of approved installation materials including but not limited to proper subfloor materials, Manufacturer recommended adhesive(s), Manufacturer recommended underlayment(s) and accessories.
- Labor must also be provided by a certified professional flooring installer and will be paid according to the following schedule: For example, if the claim is made 6 years after the original purchase, then manufacturer will pay 50% of the material. If professionally installed, reasonable labor may be paid for claims within 36 months from the date of purchase. No labor will be paid after 36 months.

LIMITED 15 YEAR COMMERCIAL WARRANTY

This warranty document covers products installed and applied in commercial applications. If it is deemed necessary, a comprehensive inspection, including the removal of flooring components, will be conducted to properly facilitate a full investigation.

COMMERCIAL WEAR WARRANTY PROVISIONS:

- Manufacturer will supply new material of the same color, design, and grade, if available; if unavailable or discontinued, Manufacturer reserves the right to select and supply similar Manufacturer materials. After corrective action is taken on an existing defect, you will continue to receive warranty coverage for the remaining period of your original warranty.
- One replacement floor will only be made for the wear out, fading and staining. Claimants who received settlement may not claim again and no additional replacement floors will be supplied.
- For the 15 Year Commercial warranty, if a claim is made and approved after 1 year of purchase, the manufacturer will pay a pro-rated percentage of material cost, determined by the number of years from the date of purchase and the remaining period up to 15 years. For example, if the claim is made 6 years after the original purchase, then the manufacturer will pay 60% (9/15th) of the material. If professionally installed, reasonable labor may be paid for claims within 36 months from the date of purchase. No labor will be paid after 36 months.
- The costs of professional labor will be reimbursed within the approved labor charges put forth by Manufacturer, provided that the installation has been performed according to Manufacturer' Installation guidelines, standard industry practices, and use of approved installation materials including but not limited to proper subfloor materials, Manufacturer recommended adhesive(s), Manufacturer recommended underlayment(s) and accessories.

COMMERCIAL WEAR WARRANTY DEFINITION:

Manufacturer warrants that the installed product will not wear through to the printed film layer under normal commercial use, for a period of this Commercial Warranty. Wear through is defined herein as total loss of pattern in a minimum of 2 square inch area. Scratches and loss of gloss are not considered as wear through. Scratches and loss of gloss are not considered as wear through.

RESIDENTIAL AND COMMERCIAL WARRANTY GENERAL TERMS

The manufacturer reserves the right to inspect any floor that is deemed by the client to be defective. Removal of the flooring prior to this inspection voids this product warranty in its entirety. The manufacturer, at its discretion, will send a company representative and/or a third-party, independent inspector to the installation site to conduct the inspection. If it is deemed necessary, a comprehensive inspection, including the removal of flooring components, will be conducted to properly facilitate a full investigation.

Dry Back Luxury Vinyl (5.0 mm/20 mil wear layer) Limited Warranty

RESIDENTIAL AND COMMERCIAL WARRANTY LIMITATIONS

- This warranty is not transferable and applies only to the original purchaser.
- Manufacturing defects must be reported within 30 days of first notice of defect in installed area.
- This warranty covers only properly installed and maintained floors, according to Manufacturer installation guidelines and accepted industry practices and does not cover flooring installed in areas not intended for solid vinyl plank or tile.
- Use of products, such as but not limited to, unapproved adhesives and cleaners not specifically designed for use with solid vinyl flooring will void warranty coverage.
- Manufacturer will not pay for the loss of time, inconvenience or other consequential or incidental damages or expenses incurred during the initial installation and the subsequent removal and/or reinstallation of affected material, including clearing any items placed over the finished flooring and affected area subsequent to the original installation.
- This warranty does not cover the exclusions indicated on the package.
- The manufacturer reserves the right of final judgment and may refuse claims in certain instances.
- Manufacturer reserves the right to repair any floor, provide replacement materials directly to the consumer or installer, obtain the services of a professional of choice, and / or to conduct repairs or replace flooring in a manner suitable to interests if Manufacturer and the purchaser cannot reach agreement on the cost or manner of the repair or replacement.
- For products sold as "Do-It-Yourself" products, cash and carry sales, internet sales not by the Retailer or Distributor, seconds or off-quality goods, no labor costs will be provided as part of this warranty.
- Internet sales not by the Retailer or Distributor, closeouts, items sold as seconds or other off-quality designation are not covered under this warranty.
- Materials installed with obvious manufacturing defects are not covered. Visual defects greater than 1cm are considered identifiable. Labor costs will not be covered when materials with visual defects greater than or equal to 1 cm are installed; replacement material only will be provided.
- Products that have not been properly acclimated according to the Manufacturer Installation Guidelines.
- Lack of maintenance or improper maintenance; dulled by soaps, detergents, harsh chemicals, dressings, one-step cleaners or wax.
- Furniture, appliances, and movable fixtures should have a plastic or nylon protector at least 1" in diameter; chair casters / wheels should be a minimum of 2" in diameter and not be metal-type or narrower than 1" in width. Chair mats and protectors shall be used under office chairs including use in residential settings.
- Cuts, scratches, gouges and indentations, punctures caused by vacuum cleaner beater bars, heavy rolling loads, caster wheels, furniture, and chairs without proper floor protectors, dropping of heavy objects or sharp objects, narrow wheels, metal furniture glides, etc. are not covered.
- Damage caused by burns, flooding, fires, and other disasters.
- Staining or changes in color caused by dyes tracked from carpet, fertilizers, coal, tar, driveway sealers, oil drippings or other similar materials; faded or discolored by sunlight or heat generation; fading or staining caused by use of rubber mats.
- Non-rubber walk-off mats are to be used at all egress points and shall be of sufficient depth and width to capture grit, dirt and abrasive debris and allow for removal of foreign material before contact with vinyl flooring.
- Flooring issues, conditions, damage, or defects caused by improper installation techniques are not covered.
- Floors not installed per Manufacturer Installation Guidelines, improper underlayment, inadequate subfloors, or subfloor preparation; flooring installed against standard accepted industry practices not covered.
- Problems or damage due to excessive moisture and/or alkalinity in sub floor including discoloration or bond release of the structure of the flooring. Product structural damage from excessive exposure to water caused by flooding, plumbing and appliance leaks, water leakage from doors, windows, or roof leaks. Standing water on flooring should be mopped or wet- vacuumed up immediately upon notice of the spill.
- Damage from or growth of mold and mildew caused by excessive moisture in the environment or subfloors that has been trapped under the flooring; including flooring installed outdoors or subjected to prolonged water exposure.
- Different from samples or printed material in shade, color, glossing or embossing texture.
- Damages and/or discoloration due to exterior installation.
- Surface scratches, changes in shading, texture, and/or gloss during use.
- Loss of any surface treatment features under following conditions; After buffing and/or waxing, Improper, inadequate maintenance, Damages (scratches, abrasion) on surface due to abrasive debris left on the flooring surface, long-term usage, and/or heavy traffic
- Damage caused by improper shipment, delivery or storage.

To file a claim or for other information you must contact your Retailer or Distributor. All claim documentation must be filled out in its entirety in order to be assigned a claim number and reviewed for validity.

IF ANY IMPLIED WARRANTY ARISES UNDER APPLICABLE LAW, THEN ANY AND ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY TO THE EXTENT ALLOWED BY APPLICABLE LAW. **SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.**

WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY STATE LAW AS HEREBY LIMITED, THE WARRANTIES SET FORTH ABOVE ARE PURCHASER'S SOLE AND EXCLUSIVE REMEDIES AGAINST MANUFACTURER AND ARE IN LIEU OF ALL OTHER WARRANTIES, OBLIGATIONS, AND LIABILITIES OF MANUFACTURER, AND ALL RIGHTS, CLAIMS, AND REMEDIES OF PURCHASER AGAINST MANUFACTURER, EXPRESS OR IMPLIED, WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN GOODS PURCHASED BY THE ORIGINAL PURCHASER FROM ANY AUTHORIZED RESELLER OF MANUFACTURER, INCLUDING, BUT NOT LIMITED TO, (A) ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, (B) ANY IMPLIED WARRANTIES ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE, (C) ANY OBLIGATIONS, LIABILITIES, RIGHTS, CLAIMS, OR REMEDIES IN TORT, WHETHER OR NOT ARISING FROM THE NEGLIGENCE OF MANUFACTURER, ACTUAL OR IMPUTED, AND (D) ANY OBLIGATIONS, LIABILITIES, RIGHTS, CLAIMS, OR REMEDIES FOR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXCLUSIONS OR LIMITATIONS OF IMPLIED WARRANTIES, THEREFORE, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION, SUCH AS IN CALIFORNIA, THE APPLICABLE WARRANTY PERIOD MAY BEGIN ON THE DATE OF DELIVERY.