CYRUS FLOORS

DURAX / ZEN PLANK COLLECTION
LUXURY VINYL PLANK
INSTALLATION INSTRUCTIONS AND CARE GUIDE

1. PURPOSE AND SCOPE

These Installation Instructions and Care Guidelines apply to Cyrus Floors **Durax / Zen Plank Collection Luxury Vinyl Plank** products intended for **full-spread adhesive installation**. These instructions must be read in full before installation begins.

Proper installation is critical to product performance. Failure to follow these instructions, or failure to maintain required site and environmental conditions, may result in product failure and will void applicable warranty coverage.

2. IMPORTANT NOTICE

By proceeding with installation, the installer and property owner acknowledge that they have read, understood, and accepted these instructions.

The installer and owner are solely responsible for inspecting all material prior to installation. Installation constitutes acceptance of the product as to visible grade, color, finish, dimensions, and condition. No claim for material defects visible prior to installation will be accepted after any portion of the product has been installed.

If the product received does not match the order, or if there is any concern regarding product quality, manufacturing appearance, or suitability, installation must not proceed. The retailer must be notified before installation.

3. RESPONSIBILITY OF INSTALLER AND OWNER

The installer and owner are jointly responsible for all of the following:

- Verifying that the correct product has been delivered.
- Inspecting all material prior to installation.
- Confirming that jobsite conditions are suitable for installation.
- Confirming that the subfloor and substrate meet all structural, flatness, dryness, and cleanliness requirements.
- Performing and documenting required moisture testing.
- Using only approved installation materials and procedures.
- Maintaining required temperature and humidity conditions before, during, and after installation.

Cyrus Floors shall not be responsible for product failure, bond failure, dimensional issues, aesthetic concerns, or other damages arising from:

- Improper handling or storage
- Improper installation
- Subfloor or substrate deficiencies
- Inadequate moisture testing
- Moisture intrusion or excessive alkalinity
- Inadequate site conditions
- Improper adhesive selection or use
- Failure to follow these written instructions

A minimum **5% material overage** should be included in the order to allow for cutting waste, pattern balancing, and normal jobsite variation.

4. PRODUCT DESCRIPTION

This product is a **glue-down luxury vinyl plank** and is intended to be installed using a **full-spread adhesive method**.

Unless otherwise expressly authorized in writing by Cyrus Floors, this product is **not** to be installed as a floating floor, loose-lay floor, or perimeter-glued floor.

Only **Cyrus Floors approved adhesive(Mapei Ultra bond 360)**, or an equivalent adhesive recommended for this product type and substrate condition, may be used. Adhesive manufacturer instructions must be followed at all times.

5. REQUIRED TOOLS AND MATERIALS

Recommended tools and accessories include, without limitation:

- Broom and/or vacuum
- Chalk line
- Tape measure
- Pencil
- Straight edge
- Framing square
- Utility knife
- Hand saw, jigsaw, or cross-cut saw
- Appropriate notched trowel, as specified by the adhesive manufacturer
- 100 lb. three-section roller
- Wood moisture meter
- Concrete moisture testing equipment
- Cement-based embossing leveler or patching compound
- Approved vinyl flooring cleaner
- Personal protective equipment as required by law and site conditions

6. SAFETY NOTICE – EXISTING FLOORS AND ADHESIVES

Do not mechanically chip, pulverize, grind, sand, or otherwise disturb existing resilient flooring, floor backing, lining felt, asphaltic cutback adhesive, or other adhesive residues unless you have confirmed that such materials do not contain hazardous substances.

Existing flooring and adhesive materials may contain **asbestos fibers** and/or **crystalline silica**. Inhalation of dust from these materials may cause serious respiratory illness, cancer, or other health hazards.

All applicable local, provincial, state, and federal health and safety laws, codes, and regulations must be followed.

7. STORAGE, HANDLING, AND DELIVERY

Flooring must be handled and unloaded with care.

Store product indoors in a dry, well-ventilated area maintained between **65°F and 85°F (18°C to 29°C)**. Product must be protected from direct weather exposure, excessive moisture, and extreme temperature fluctuation.

Flooring must not be delivered to the jobsite until:

- The building is fully enclosed
- Windows and exterior doors are installed
- Concrete, drywall, plaster, paint, and all other wet trades are completed
- All wet materials are fully dry
- HVAC systems are installed and operating

HVAC systems must be in operation for at least **14 days prior to installation**, and must remain in operation during installation and thereafter.

8. JOBSITE CONDITIONS

8.1 Interior Conditions

The installation area must be maintained at the following conditions:

- **Temperature:** 65°F to 85°F (18°C to 29°C)
- **Relative Humidity:** 30% to 55%

These conditions are required before installation, during installation, and for the life of the floor unless otherwise stated for a specific application.

8.2 Exterior Drainage

Exterior grading must be complete and must direct water away from the structure at a minimum slope of **3 inches in 10 feet (7.6 cm in 3 m)**.

Gutters, downspouts, drainage outlets, and other water-management systems must be installed and functioning. Soil and surrounding grade must provide adequate drainage away from the building.

9. ACCLIMATION

Flooring must be acclimated at the jobsite until it has reached temperature and moisture equilibrium consistent with the installation environment.

Acclimation must occur under the same ambient conditions required for service use. Flooring must not be acclimated in uncontrolled or unconditioned spaces.

Acclimation does not eliminate the requirement for proper site conditioning, subfloor preparation, or moisture testing.

10. SUBFLOOR AND SUBSTRATE REQUIREMENTS

Cyrus Floors luxury vinyl plank may be installed over most sound, solid, and stable subfloors, including properly prepared plywood and concrete substrates, provided all requirements in this document are met.

The finished installation is only as good as the subfloor beneath it. The installer and owner are responsible for determining whether the jobsite and subfloor are environmentally and structurally acceptable for installation.

Subfloors must be:

- Structurally sound
- Stable and rigid
- Flat and level within stated tolerances
- Clean
- Dry
- Free of contaminants and surface defects that may interfere with bond or performance

11. SUBFLOOR INSPECTION REQUIREMENTS

11.1 Structural Soundness

The subfloor must be structurally sound and free from vertical movement, deflection, looseness, or instability.

Loose areas in plywood or OSB must be properly fastened. Water-damaged, swollen, rotten, deteriorated, or delaminated subfloor or underlayment materials must be removed and replaced.

11.2 Flatness and Levelness

The subfloor must be flat within:

- **3/16 inch over 10 feet (5 mm over 3 m)**, or
- **1/8 inch over 6 feet (3 mm over 2 m)**

Flatness must be checked using a straight edge or level.

Low areas must be corrected using a **cement-based leveling or patching compound** with a compressive strength of not less than **3000 psi**, or as otherwise suitable for the application. Manufacturer instructions for the patching or leveling product must be followed. Do not overfill deep voids in violation of the patch manufacturer's written instructions.

Subfloors exhibiting excessive vertical movement are not acceptable.

11.3 Cleanliness

The substrate must be thoroughly cleaned before adhesive application.

Remove all dust, dirt, debris, oil, wax, grease, paint, curing compounds, surface sealers, and any other contaminant that may interfere with adhesive bond. All protruding nails, screws, and surface irregularities must be corrected.

The subfloor must be swept and vacuumed thoroughly immediately prior to adhesive application.

11.4 Dryness and Moisture Condition

Moisture testing is mandatory. Moisture readings must be taken in multiple representative areas of the installation space and must be recorded.

Subfloor moisture content must not exceed:

- **4% for concrete**
- **12% for plywood**

No installation may proceed until the installer has confirmed compliance with the moisture requirements set out in this document and in the adhesive manufacturer's instructions.

12. APPROVED SUBFLOOR TYPES

12.1 Plywood

A **3/4 inch (19 mm) CDX plywood** subfloor is preferred. Minimum acceptable thickness is **5/8 inch** where structurally appropriate and properly supported.

The entire plywood subfloor must be securely fastened using proper fasteners. Loose panels must be re-fastened before installation begins.

12.2 OSB

Approved OSB must be **3/4 inch** or **23/32 inch**, stamped exterior grade, and structurally suitable for the application.

12.3 Concrete

Concrete slabs must be fully cured, structurally sound, and properly prepared. New concrete must be allowed to cure for a minimum of **60 days** prior to installation.

Concrete must be flat, dry, and free of sealers, contaminants, curing compounds, and bond-inhibiting residues.

13. MOISTURE AND ALKALINITY TESTING FOR CONCRETE

If a concrete moisture reading exceeds **4%**, additional testing must be performed before installation.

For commercial applications, the following tests are required and must be completed prior to installation:

- **Calcium Chloride Test (ASTM F1869):** moisture emission must not exceed **5 lbs. per 1000 sq. ft. per 24 hours**
- **In-Situ Relative Humidity Test (ASTM F2170):** relative humidity must be between **85% and 93%**

Concrete pH must be between **8 and 9**.

Do not install the flooring if moisture or alkalinity levels exceed the limits stated above, or if the adhesive manufacturer imposes stricter limitations for the application.

The installer should retain written records of all testing for warranty and claim review purposes.

14. RADIANT HEAT INSTALLATION

Cyrus Floors luxury vinyl plank may be installed over in-floor radiant heating systems only when all of the following conditions are met:

- The **subfloor surface temperature must not exceed 85°F (29°C)** at any point
- The installation must be performed using a **full-spread adhesive method**
- The jobsite temperature must not exceed **70°F** for **24 hours prior to installation**, **during installation**, and for **48 hours after installation**
- After the initial 48-hour period, the temperature may be increased gradually by no more than **5°F per day**
- Relative humidity must be maintained between **35% and 60%** at all times

Improper installation over radiant heat, excessive temperature exposure, or failure to follow these requirements will void warranty coverage.

15. PREPARATION PRIOR TO INSTALLATION

Before installation begins:

- Remove existing carpet and pad
- Remove baseboards, quarter round, thresholds, and wall base as necessary
- Undercut door casings and jambs using a scrap piece of flooring as a height guide
- Confirm that doors will clear the finished flooring
- Confirm that the substrate is ready to receive adhesive
- Confirm that all required site conditions have been met

For best visual results, planks should be blended from multiple cartons during installation to create a balanced mix of pattern and shade variation across the floor.

For both structural stability and appearance, end joints in adjacent rows must be staggered by a minimum of **8 inches**. Repetitive patterns, including “H” patterns and other obvious repeating layouts, must be avoided.

16. ADHESIVE REQUIREMENTS

Use only adhesive approved for this product and application.

Adhesive manufacturer instructions must be followed with respect to:

- Trowel notch size
- Spread rate
- Open time
- Flash time
- Working time
- Environmental limitations
- Cleanup procedures

Temperature and humidity may affect adhesive flash time and working time. The installer is responsible for adjusting work pace and installation sequence accordingly.

Prior to full installation, spread a small test area to confirm proper adhesion and transfer.

Warranty coverage may be voided by improper adhesive selection, improper trowel selection, insufficient spread rate, over-open time, under-open time, or other improper adhesive practices.

17. INSTALLATION PROCEDURE

Step 1 – Establish Layout

Install planks **parallel to the exterior wall**, which is typically the longest and straightest wall in the room, unless another layout direction is required by the project design.

Use a chalk line or other suitable method to establish a straight starting reference.

Step 2 – Spread Adhesive

Spread adhesive evenly over the prepared subfloor using the notched trowel specified by the adhesive manufacturer.

Always hold the trowel at approximately a **45-degree angle** and apply firm pressure to ensure correct adhesive spread. Replace the trowel when teeth become worn, as worn trowels may reduce adhesive coverage and compromise bond strength.

Step 3 – Place the Planks

Install planks into the adhesive bed in accordance with the adhesive manufacturer's installation window.

At all vertical obstructions, leave a **3/8 inch expansion space**.

Planks may be scored and cut to fit irregular shapes and details. For complicated cuts, a cardboard template is recommended before transferring the cut pattern to the plank. As always, measure carefully before cutting.

Step 4 – Continue the Installation

Continue installing planks in sequence, maintaining proper joint stagger, alignment, and visual balance.

Blend material from several cartons throughout the installation. Avoid clustered repeats, short joint sequences, and obvious pattern repetition.

Step 5 – Roll the Floor

After the flooring has been placed, roll the entire floor using a **100 lb. three-section roller** to ensure proper adhesive transfer and a secure bond.

Where required by adhesive instructions, additional rolling may be necessary within the stated working time.

Step 6 – Trim Out the Perimeter

After the floor is installed, reinstall baseboards and/or quarter round molding as needed to cover the expansion space. Moldings must not be installed in a manner that restricts normal floor movement or damages the flooring surface.

18. POST-INSTALLATION PROTECTION

The newly installed floor must be protected from traffic, impact, and moisture while the adhesive cures.

- Keep foot traffic off the floor for at least **24 hours**
- Keep all liquid and moisture away from the floor surface for at least **24 hours**
- Remove all adhesive residue from the surface before it cures, using only products recommended by the adhesive manufacturer
- Provide adequate cross-ventilation during and after installation as required for safe adhesive use and curing

Heavy traffic, rolling loads, furniture placement, and other concentrated loads should be delayed in accordance with adhesive manufacturer instructions.

19. CARE AND MAINTENANCE

After the initial cure period, the floor must be maintained in accordance with proper resilient flooring care practices.

General care requirements include the following:

- Sweep or vacuum regularly to remove abrasive dirt and debris
- Clean using a vinyl flooring cleaner suitable for the product
- Do not use abrasive cleaners, harsh solvents, or products not intended for resilient flooring
- Wipe spills promptly
- Protect furniture contact points with appropriate felt or non-staining protectors
- Maintain indoor temperature and relative humidity within recommended service conditions

Excessive moisture, improper cleaning chemicals, inadequate maintenance, or site abuse may affect performance and may not be covered under warranty.

20. WARRANTY LIMITATIONS

Failure to comply with these installation instructions, failure to maintain proper environmental conditions, failure to prepare the substrate properly, or failure to use appropriate adhesive and installation methods will void warranty coverage.

Cyrus Floors shall not be liable for claims, losses, or damages arising from:

- Improper installation
- Improper subfloor preparation
- Moisture intrusion from any source
- Site-related conditions beyond product control
- Structural movement
- Excessive heat exposure
- Improper maintenance
- Use of unapproved installation materials

No installer, retailer, distributor, agent, or representative is authorized to alter these instructions or create any binding warranty obligations beyond those issued in writing by Cyrus Floors.