

Infinity Floor

SPC Installation Instructions

For Infinity Floor SPC products. Written to clarify installation expectations, reduce avoidable claims, and align with current resilient flooring practice.

Important

These instructions are intended to reduce avoidable claim disputes by clearly defining installer responsibilities, jobsite conditions, maintenance expectations, product limitations, and warranty triggers.

Effective Date	March 6, 2026
Applies To	Infinity Floor branded products unless otherwise stated in writing
Supersedes	All prior versions of this document

Key Limits and Thresholds

Category	Requirement	Notes
Temperature	60 to 85 degrees F	Maintain for at least 5 days before installation, during installation, and after installation.
Relative Humidity	35% to 65%	Maintain as a normal interior climate controlled range.
Flatness	3/16 inch in 10 feet	Target 1/8 inch in 6 feet. Tighter is better for large format SPC.
Concrete Moisture	90% RH max / 8 lbs max	ASTM F2170 or ASTM F1869, respectively.
Expansion Gap	1/4 inch minimum	Increase to 1/2 inch for larger installations over 2,500 square feet.
Floating Area Limit	65 feet x 65 feet	Use transitions or expansion breaks as needed.

1. Important Notice

These installation instructions are the official Infinity Floor requirements for SPC products and supersede all prior printed or digital versions.

Failure to follow these instructions may result in installation failure and may void all or part of the applicable warranty coverage.

Installation of flooring constitutes acceptance of product appearance, product condition, jobsite conditions, subfloor conditions, and product suitability for the intended use.

Do not install flooring that is visibly damaged, defective, or otherwise unsatisfactory.

2. Installer Responsibility and Site Acceptance

The installer, flooring contractor, and purchaser are responsible for evaluating the jobsite before installation begins.

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The installer is responsible for confirming environmental conditions, subfloor flatness, subfloor dryness, structural soundness, product suitability, layout, and proper installation method before any plank is installed.

If any jobsite condition is not acceptable, installation must not proceed until the condition has been corrected.

Once installation begins, Infinity Floor will treat the material and the jobsite as accepted.

Infinity Floor is not responsible for failures caused by improper subfloor preparation, excessive moisture, structural movement, environmental fluctuation, poor layout decisions, or installation workmanship.

3. Jobsite Conditions

The building must be fully enclosed, with all windows and exterior doors installed, prior to installation.

Permanent or temporary HVAC must be operational and capable of maintaining the required environmental conditions.

Ambient temperature must be maintained between 60 degrees F and 85 degrees F for at least 5 days before installation, during installation, and continuously thereafter.

Interior relative humidity should be maintained between 35 percent and 65 percent.

Flooring must not be installed in unconditioned spaces or in areas subject to extreme temperature swings.

Portable heaters that create concentrated heat are not recommended. Kerosene heaters must never be used.

4. Product Inspection, Lighting, and Appearance

Inspect all cartons and planks before and during installation. Check for color, sheen, texture, dimension, locking profile integrity, and visible damage.

Mix planks from several cartons during installation to help blend normal shade and pattern variation.

Variation in gloss, texture, color, grain pattern, and plank-to-plank appearance is inherent in resilient flooring and is not considered a manufacturing defect.

Material must be reviewed under normal jobsite lighting conditions before installation. Claims relating to appearance, lighting, or visible variation will not be accepted after installation.

Claims will not be accepted for material that has been cut, installed, or otherwise altered.

5. Product Storage and Acclimation

Store flooring indoors, flat, off the ground, and away from direct sunlight or other concentrated heat sources.

Do not store cartons on edge, outdoors, or in uncontrolled environments.

SPC products must acclimate in the installation area for a minimum of 24 hours. A full 48 hours is strongly recommended, especially in projects involving large format planks, varying temperatures, or long haul transit.

Cartons should be stacked no more than five cartons high and arranged so air can circulate between stacks.

Improper storage or acclimation may result in product distortion or movement and is not covered by warranty.

6. Subfloor Requirements

All subfloors must be clean, dry, flat, structurally sound, and free of paint, oil, grease, curing compounds, sealers, old adhesive residue, and any contaminant that could affect performance.

Subfloor flatness must not exceed 3/16 inch within 10 feet and 1/8 inch within 6 feet. For large format SPC, a tighter target of 1/16 inch within 1 foot is recommended.

High spots must be mechanically reduced. Low areas must be filled with an appropriate patch or leveling compound and allowed to fully cure before installation.

Subfloors must be rigid enough to prevent excessive movement. Visible flex, bounce, deflection, or panel movement can telegraph through the floor and may damage the locking system.

Subfloor preparation is the responsibility of the installer and is one of the most common causes of avoidable claims.

7. Moisture Testing and Concrete Conditions

Moisture testing is required on all concrete subfloors, whether new or existing.

Concrete must meet the latest applicable edition of ASTM F710. Moisture testing should be performed using ASTM F2170 in situ relative humidity testing and, where appropriate, ASTM F1869 calcium chloride testing.

Maximum allowable moisture level is 90 percent RH under ASTM F2170 or 8 pounds per 1,000 square feet per 24 hours under ASTM F1869, unless a lower limit is required by a separately used installation material.

Concrete pH must be between 7 and 9.

Infinity Floor does not warrant hydrostatic pressure, elevated alkalinity, moisture vapor emission beyond published limits, or damage resulting from moisture migration through the slab.

Moisture test documentation should be retained by the installer and owner. Failure to test and document slab conditions may void warranty coverage.

8. Approved and Unapproved Subfloors

Approved subfloors include properly prepared concrete, plywood, OSB, approved wood underlayments, well bonded hard surface flooring, and ceramic or porcelain tile that is flat and sound.

Installation is not permitted over carpet, cushioned sheet goods, unstable floating floors, or any soft or resilient substrate that compromises support.

Wood subfloors over crawl spaces must have a suitable ground cover and adequate ventilation in accordance with local code and accepted trade practice.

Do not install over sleeper systems, wood attached directly to concrete, or any substrate with known moisture or structural problems.

9. Radiant Heat

SPC flooring may be installed over embedded radiant heat systems only.

The system must be operational for at least two weeks before installation in order to stabilize moisture and temperature conditions.

Lower the temperature to 65 degrees F at least three days before installation. After installation, increase temperature gradually in increments of no more than 5 degrees F per day.

Maximum subfloor surface temperature must never exceed 85 degrees F.

Damage related to overheated radiant systems is not covered.

10. Vapor Barrier and Underlayment

When installing over concrete, a 6 mil polyethylene vapor barrier is recommended unless a different moisture mitigation system has been specified for the project.

Poly film seams should overlap a minimum of 4 inches and be taped. Extend the film slightly up the wall and trim after installation.

If the product includes an attached pad, do not add additional cushion or underlayment unless specifically approved in writing for that product.

Crumb rubber underlayments and other incompatible soft underlayments are not acceptable.

11. Expansion, Layout, and Area Limits

Maintain a continuous 1/4 inch expansion gap around all walls, vertical obstructions, cabinets, pipes, islands, and fixed objects. For areas larger than 2,500 square feet, increase the perimeter expansion gap to 1/2 inch.

Do not install base cabinets, fixed millwork, or other permanently anchored objects on top of floating SPC flooring.

Stagger end joints a minimum of 12 inches. Avoid stair stepping and obvious repeating patterns.

Maximum recommended floating installation area is 65 feet by 65 feet. Larger areas, unusual layouts, or areas with offset geometry may require transitions or expansion breaks.

Doorways, pinch points, and areas connecting multiple rooms may require transition pieces even if the overall square footage is within limits.

12. Direct Sunlight, Solar Gain, and Thermal Expansion

Extended exposure to direct sunlight, large glass openings, or concentrated heat can create localized floor temperatures well above room temperature.

Areas with strong solar gain should use blinds, shades, tinting, UV film, or other means of limiting excessive heat build up.

Damage resulting from extreme heat, direct solar gain, or thermal expansion is not considered a manufacturing defect and is not covered by warranty.

13. Rolling Loads, Furniture, and Heavy Use

Floating SPC is intended for residential and light commercial use within reasonable rolling load conditions.

Heavy point loads, narrow hard wheels, hospital beds, heavy carts, pallet jacks, forklifts, and other high stress rolling equipment are not approved unless the specific product and installation method are expressly approved for that use.

Use broad, non staining furniture protectors with a minimum diameter of 1.5 inches under stationary furniture legs.

Use high quality chair mats under caster chairs and protect the floor with rigid panels when moving appliances or heavy furnishings.

14. Floating Installation Overview

Begin from a straight starting wall and confirm layout to avoid small cuts at opposite walls.

Undercut door jambs and casings. Do not fasten wall moldings or transition pieces through the floating floor.

Install planks with the long side and short side fully engaged. Keep the first rows square, as early alignment errors multiply across the room.

If planks do not lock easily, stop and determine the cause. Do not force damaged joints together.

15. Stairs, Vertical Surfaces, and Non Standard Areas

SPC click flooring is not intended to be installed as a floating assembly on stairs, risers, walls, or other vertical applications.

When the product is adhered to stairs or similar surfaces, the attached pad must be removed if present, full bond installation must be used, and the installer assumes responsibility for application suitability and required code compliance.

Use caution in sunrooms, rooms with floor to ceiling glass, and other specialty spaces where conditions exceed those of a normal climate controlled interior.

16. Post Installation Protection and Maintenance

Protect newly installed floors from heavy traffic, moving trades, and concentrated loads during the balance of construction.

Do not tape protective coverings directly to the flooring surface.

Sweep or vacuum regularly using equipment without a beater bar. Clean spills promptly.

Use only pH neutral cleaners intended for resilient flooring. Do not apply wax, polish, acrylic finish, or oil soap.

Rubber backed mats, asphalt based mats, latex backed rugs, and some dark dyed textiles may stain the floor and are not recommended.

17. Warranty Conditions

Warranty coverage applies only when the product is installed in accordance with this document, used in a suitable environment, and maintained appropriately.

For complete terms, exclusions, and remedies, refer to the Infinity Floor Limited Warranty.