



BERING
FLOORS

INSTALLATION GUIDELINES

10-YEAR COMMERCIAL

POWELL 2mm Resilient Flooring

Installation Environment

Minimum 48-hour acclimation of flooring and adhesive. Functioning HVAC required during acclimation and installation. Maintain 65°F-85°F during acclimation and installation and after installation.

- Flooring and adhesive must be acclimated at the jobsite for a minimum of 48 hours before installation.
- A functioning HVAC system is required during the acclimation period and installation.
- During acclimation and installation, the jobsite, flooring and adhesive must be maintained between 65°F and 85°F.
- Following installation, the space must continue to be maintained between 65°F and 85°F.
- All other applicable substrate preparation, moisture testing, adhesive and installation requirements remain in effect.

Storage & Handling

- Flooring material and adhesive must be acclimated in the installation environment for at least 48 hours.
- Store cartons flat and square, ideally near the center of the installation area and away from vents and direct sunlight.
- Maintain the required 65°F-85°F conditions throughout acclimation and installation.

General

- Ensure proper moisture testing of the substrate before installing any moisture-sensitive floor covering.
- Cementitious patching and leveling compounds must meet or exceed Bering Floors' maximum moisture and pH requirements for approved use.
- Gypsum-based patching and/or leveling compounds containing Portland or high-alumina cement must meet or exceed 3,000 psi compressive strength.
- Resilient flooring installation should not begin until other trades are completed sufficiently to avoid dust, debris, spilled paint and construction damage.
- Visually inspect all material before installation. Material installed with visible defects may not qualify for labor-related claims.
- Perform bond testing to establish adhesive compatibility with the substrate.

Substrate Preparation

- All substrates receiving resilient flooring must be dry, clean, smooth and structurally sound.
- Remove dust, solvent, paint, wax, oil, grease, residual adhesive, curing/sealing compounds, alkaline salts, excessive laitance, mold, mildew and other materials that may interfere with adhesive bonding.
- Address asphalt-based cut-back adhesive residue and other existing adhesive using appropriate industry-standard methods.
- Do not use solvent or citrus adhesive removers where residue may remain and interfere with the new adhesive.

Wood Subfloors

- Wood subfloors must be structurally sound and comply with applicable building codes.
- Use APA-rated underlayment panels designed for resilient flooring where required.
- Crawl spaces should be adequately ventilated and protected with an appropriate ground vapor barrier.
- Particleboard, chipboard, flakeboard, OSB, hardboard and similar substrates are not suitable direct-bond surfaces unless properly overlaid with an approved underlayment.
- Do not install over sleeper construction or wood subfloors applied directly over concrete.
- Follow the underlayment manufacturer's installation instructions.

Concrete Subfloor Requirements

- New and existing concrete subfloors should meet the latest applicable guidance of ACI 302 and ASTM F710.
- Concrete slabs must have a minimum compressive strength of 3,000 psi and be clean, flat, dry, smooth and structurally sound.
- Slabs on or below grade must have a sufficient vapor barrier directly below the slab.
- Concrete floors should be flat and smooth within 1/8 inch in 6 feet or 3/16 inch in 10 feet.
- Do not install resilient flooring over expansion joints. Use expansion-joint covers designed for resilient flooring.

Required Moisture Testing

- Concrete floors must be tested in accordance with the latest edition of ASTM F710.

Required Moisture Testing *(continued)*

- Maximum moisture level: ASTM F1869 calcium chloride - 8 lbs.; ASTM F2170 in-situ relative humidity - up to 99% where permitted by the approved Bering Floors adhesive/system.
- Concrete subfloor pH must be between 7 and 10.
- Bering 2600 / Bering C2400 adhesive may not exceed 99% RH.
- The installer is responsible for ensuring required moisture testing has been performed and results are satisfactory before installation.

Radiant Heat Requirements

- Radiant-heated subfloors may be concrete, wood or a combination, provided the system and flooring assembly are suitable for resilient flooring.
- Maintain the Powell 2mm installation environment at 65°F-85°F during acclimation and installation and continue to maintain the space at 65°F-85°F after installation.
- Follow the radiant-system and approved adhesive manufacturers' instructions and applicable operating-temperature limits.

Existing Floor Coverings

- Existing flooring must be a single layer, non-cushioned, fully adhered and smooth, with no evidence of moisture or alkalinity.
- Remove waxes, polishes, grease, grime and oil.
- Repair cuts, cracks, gouges, dents and other irregularities before installation.
- Do not install over rubber-based substrates.
- The installer/flooring contractor is responsible for determining whether an existing floor is suitable to receive new resilient flooring.

Adhesives

- Use only Bering Floors-approved adhesive for the product, substrate, application and warranty condition.
- Follow the adhesive label and technical data sheet for trowel size, open time, working time, rolling, substrate limits and moisture/pH requirements.
- Bond testing is required where substrate compatibility is uncertain.

Bering Tile & Plank Installation

- Install using conventional resilient tile and plank installation techniques. Plank products should have a minimum 6-8 inch seam stagger.
- Unless project requirements state otherwise, center rooms and hallways so borders are not less than half a tile or plank. Work from multiple cartons where appropriate.
- Place cut edges against walls where possible to preserve appearance.
- Score LVT/LVP from the face with a sharp utility knife, bend the product and complete the cut from the back.
- Do not use alcohol-based glues on resilient flooring.
- Roll glued-down plank/tile with the roller specified by the adhesive system throughout the working day to ensure proper bond.
- Do not tape protective coverings directly to the finished flooring surface.

Warranty & Installation Responsibility

POWELL 2MM Minimum 48-hour acclimation of flooring and adhesive. Functioning HVAC required during acclimation and installation. Maintain 65°F-85°F during acclimation and installation and after installation.

All installations must otherwise comply with Bering Floors' applicable substrate preparation, moisture testing, adhesive and installation requirements. Installation errors and conditions resulting from failure to follow these instructions may not be covered by the applicable warranty.