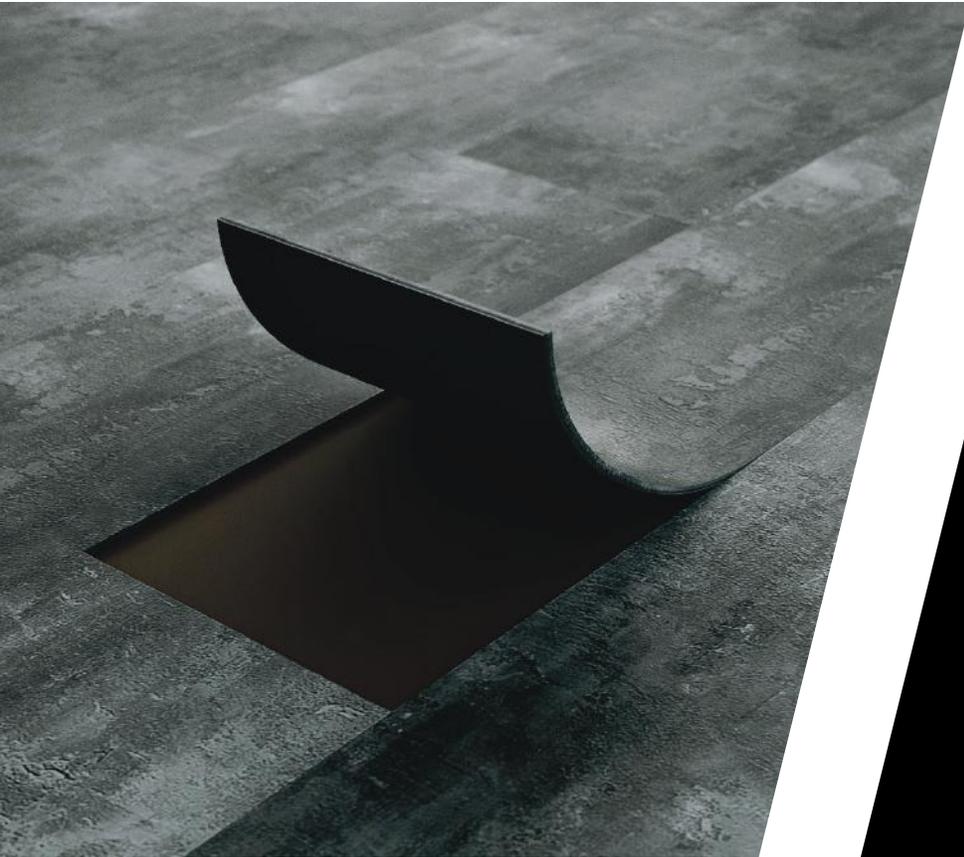


**FLOORFOLIO**<sup>®</sup>  
COMMERCIAL FLOORING



 **LEVITATE**<sup>®</sup>

**FLOORING INSTALLATION  
GUIDE**



## INSTALLATION GUIDELINES

### GENERAL

FloorFolio's Levitate® Magnetic Flooring consists of a 2-part system. This system utilizes a magnetic base layer/underlayment that is 100% waterproof, while the Levitate magnetic planks are applied using a receptive layer manufactured into the LVT.

### MATERIALS REQUIRED FOR BASE LAYER INSTALLATION:

Utility or Carpet Knife

Chalk Line

Tape Measure

### ACCEPTABLE UNDERLAYMENT'S

Levitate can be directly installed over most existing hard surface floor coverings:

#### WOOD

Levitate can go over virtually any sound wood underlayment/subfloors. Always fasten underlayment in accordance with the manufacturer's recommendations. FloorFolio recommends underlayments that are underlayment grade and warranted by the manufacturer. Any failure of the base layer or Levitate flooring as a result of the underlayment is NOT the responsibility of FloorFolio.

#### CONCRETE

Moisture levels of concrete slabs before, during and after installation are not an issue with Levitate as the system serves as a vapor Barrier up to 96% and when it is properly installed using the Magna Build double face tape at all seams.

#### VCT

Must be well bonded, non-cushioned, and no more than one layer. Removal of waxes, sealers, floor finishes are not necessary if the base layer is not being adhered/glued to the floor.

## VINYL RESILIENT FLOOR

Must be well bonded, non-cushioned, and no more than one layer. Removal of waxes, sealers, floor finishes are not necessary if the base layer is not being adhered/ glued to the floor. If there is a design or if the material is impregnated in any way, an embossing leveler must be used to obtain a flat smooth floor.

## CERAMIC TILE

Grout lines must be embossed or covered with a polymer modified Portland cement based self-leveling screed or skim coat.

## TERRAZO

Grout lines must be embossed or covered with a polymer modified Portland cement based self-leveling screed or skim coat.

*PLEASE NOTE: Any failure of the base layer or Levitate product as a result of the existing substrate/surface is NOT the responsibility of FloorFolio.*

## SUBFLOOR PREPARATION

- Floor must be clean, smooth and flat. The flatness of wood subfloors or underlayment must not exceed on variation of 1/8" in 6' / 3/16" in 10' as per ASTM F-710.
- The flatness of concrete subfloors must meet or exceed the requirements of ACI FF25. Fill all holes and cracks with a latex fortified Portland cement based patching compound.
- FloorFolio recommends priming extremely porous floors with an approved latex primer for dust containment, and to insure a more stable subfloor/underlayment.
- Fill any low spots in the subfloor greater than 1/8 inch in 6 foot / 3/16" in 10' span with a Portland cement leveling compound.
- Ceramic tile and embossed flooring will require skim coating with a Portland based patch to avoid bottom up pattern telegraphing.
- Remove any existing floor molding. Removal of wall baseboards is optional as quarter round can be installed to avoid baseboard removal.
- Undercut doorjamb so the 1/4-inch expansion space is maintained, allowing the products to slip under doorjamb/case molding.

- Suitability: Regardless of the type of concrete or cement-like material used as a base for the base layer platform, the responsibility for its use or suitability rests with that product's manufacturer or specifier and not with FloorFolio.

*PLEASE NOTE: Warranty exclusions with respect to rolling loads. Our warranty excludes any problems associated with joint separation from heavy rolling loads.*

## CRACK ISOLATION

While the Levitate underlayment is a complete crack isolation membrane, expansion joints or other moving joints must be filled with elastomeric fillers that are designed to absorb movement in concrete slabs. The base layer, cementitious underlayment, patches and resilient flooring installed across true expansion joints will often buckle or crack when the slabs move and is not recommended. Usually architects will specify expansion joint covers for use with various floor coverings.

Inspection of flooring material prior to installation is required. Any defects should be immediately reported to FloorFolio before installation. FloorFolio will not be responsible for labor costs to repair or replace material with defects that were apparent before or noticed during an installation.

## STORAGE AND HANDLING

Acclimate all flooring products for a minimum of 24 hours before installation in the area it is to be installed. Conditions between 65°F and 85°F (18°C and 29°C) are required before, during, and after installation. Cartons should be evenly stacked no more than five high on a flat surface and away from any heating/cooling ducts or direct sunlight.

## STAGING

When staging the Levitate system, follow the same guidelines for storage and handling. Area must be kept under the same acclimation conditions as well as the installation area. The products may then be moved to the area of installation at the time of installation. If so the base layer should be kept in the boxes until it is moved in the installation area.

## LAYOUT

The Levitate base layer is designed to be installed as a lifetime floating system. While you can start along one wall it is usually best to start in the center of the room and work both ways.

You should always allow for no less than 1/3rd of a panel to finish along all outside walls. This is why it is important to measure the room and consider the width of the base layer prior to starting the installation and balance your installation accordingly.

## INSTALLATION

Once proper layout and your starting point have been determined, you're ready to roll out the base layer. When possible, the top layer should be installed at a 90 degree angle from the base layer. The base layer is only manufactured with the magnetics on one side. The magnetic side should be marked "this side up". The base layer must be installed with the magnetic side facing upward for the receptive layer / flooring material to bond properly. The underlayment is manufactured with the magnetic side facing upwards when rolled out from the roll. This makes it very easy to simply roll out the base layer leaving approximately 1 to 2 inches up the wall, slide it in to place and trim down the edges.

If a butt or cross seam must be constructed, overlap the panels approximately 2 inches and double cut them using a straight edge. The panels should be tightly abutted together with no gaps in between and no overlaps of any kind. This will cause telegraphing and possible damage to the flooring product being installed. If for some reason you encounter product that has a few untrue edges simply use the same process as you would with a butt seam. Overlap the edges approximately 1 inch and double cut them using a straight edge.

Once the base layer has been installed, you can immediately install any product with the receptive layer on top of it.

## DEMO

Our Levitate Magnetic Flooring system makes the removal of existing flooring very easy, and the installation of new flooring even easier. The base layer once installed should never need to be removed or replaced. However, if significant demolition and construction is taking place on the job site you may want to roll up the base layer on a cardboard core and store in a safe place during other construction.

For more information, please contact our technical service department at: (800) 671-1124.