



## Installation Guidelines For MagneBuild

### GENERAL

MagneBuild Magnetic Flooring consists of a 2-part system. This system utilizes a magnetic base layer/underlayment that is 100% waterproof, while the top layer is applied using a receptive layer manufactured into the LVT.

#### Materials Required for Base Layer Installation:

Utility Knife or

Carpet Knife

Chalk Line

Tape Measure

#### Acceptable Underlayments

MagneBuild can be directly installed over all existing hard surface floor coverings and sound substrates if proper floor flatness and surface prep have been achieved. The MagneBuild Base layer is designed to be a lifetime installation, therefore, for the first time proper floor prep is a great one-time economical investment to the end consumer.

#### Wood

MagneBuild can be installed in a floating application to virtually any previous engineered or solid wood installation underlayment/subfloors that are adhered to the floor. Any previous floor covering that is installed in a floating installation must be removed prior to installation of the Magnebuild Base Layer. If the previous floor covering is not removed prior to installation, written approval must be given by MBS prior to the installation for the warranty to apply. MagneBuild recommends all underlayments have a sanded finish side to underlayment, and all underlayments be underlayment grade and not sheathing grade to be warranted by the manufacturer. Always fasten underlayment with the sanded finish side up in accordance with the manufacturer's recommendations.

## Concrete

Moisture levels of the concrete should always be checked with RH Probes according to ASTM standards prior to the installation of the MagneBuild Base Layer. Moisture levels of concrete slabs before, during, and after installation do not affect the MagneBuild Base Layer in any way, however the finish layer may be affected by moisture vapor emission. Refer to the moisture guidelines of the finish layer manufacturer to determine the proper application needed for the MagneBuild base layer. The MagneBuild Base Layer can be used as a vapor Barrier up to 99.9%.. When MagneBuild is being used as a vapor barrier, it must be properly installed using the MagneBuild double face tape underneath all seams. When not used as a Vapor Barrier, the MagneBuild Base Layer can be installed either floating or glued down depending on the application. In commercial applications with rolling traffic the base layer must be adhered with approved MBS adhesives. Any failure of the base layer or manufactured top layer as a result of the floor flatness, floor prep, or moisture in the subfloor without properly applying the MagneBuild Base Layer is NOT the responsibility of MagneBuild.

## 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 or 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 MagneBuild product as a result of the existing substrate/surface is NOT the responsibility of MagneBuild.*

## Subfloor Preparation

- Floor must be clean, smooth, and flat and free of dust. The flatness of any substrate, subfloors, or underlayment must not exceed on variation of 1/8" in 6' / 3/16" in 10' as per ASTM F-710. If these numbers are exceeded, corrective measures must be taken.
- 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.
- It is recommended to prime 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" in 6' 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 MagneBuild.

*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 MagneBuild 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 MagneBuild before installation. MagneBuild 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 MagneBuild 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 into the installation area.

## Layout

The MagneBuild 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. 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.

When possible, the top layer should be installed at a 90 degree angle from the base layer.

## Demo

Our MagneBuild 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.



## Installation Guidelines for MagneBuild Vinyl Flooring

### Before you start:

- Sunlight can cause any LVT to fade. We recommend that window treatments are used to protect the flooring from direct sunlight.
- MagneBuild products are not recommended for environments that don't have permanent HVAC systems.
- Excessive sunlight and/or heat may also cause the product to separate at the joints.
- MagneBuild products are suitable for use above, on, and below-grade.
- Suitable for residential or commercial applications.
- Ground cover should always be used under crawl space homes.
- All MagneBuild products are floating floors. Expansion of ¼" is required anywhere where the floor can make contact with the wall or other objects.
- If used in a wet area, use an appropriate waterproof sealant. Remove ANY standing liquids promptly.

### The Job Site:

- Approved substrates are:
  - Concrete
  - Plywood and OSB (Grade BB or CC or better)
  - Existing floors that are secured to the structure
  - Ceramic floors – fill all grout lines
- Non-Approved substrates
  - Any carpet or fiber product
  - Any floating floor – including any floor such as hardwood that can release from the subfloor
  - Vinyl floors with cushion on the back

## The Installation:

- Install the base magnetic layer per instructions above
- Test the subfloor to make sure the magnetic side is up
- If using the magnetic layer as a moisture barrier, use MagneBuild seam sealing tape. Follow instructions that come with the tape
- Balance the room so that cuts on the walls are of similar size
- Clean the back of each board after it is cut to make sure ferrite compound does not stick to the back of the plank and cause telegraphing later
- A tapping block should be used to keep side and end joints in line