

# STRENGTH™

## Acoustical Underlayment

I wish to have a  
blue electric guitar

Deonna, 12  
brain tumor



### Installation Instructions

Strength™ is the most versatile acoustical underlayment available today. Not only does it help reduce in-room and between-story noise but also acts as a breathable moisture barrier. Strength™ is guaranteed to perform over the life of the floor. It offers different installation methods, making any project worry-free. Always consult with the flooring and adhesive manufacturers for their product conditioning and installation recommendations and requirements. Vinyl Composition Tile is specifically excluded.

### Suitable Substrates – Concrete Slab and Wood Subfloor

1. Must be clean, dry, flat, and structurally sound.
2. Always test for moisture before installing flooring. For concrete, test using the anhydrous calcium chloride test (ASTM F2170) and for wood use either an invasive or non-invasive pin probe. If the wood subfloor indicates moisture, check for proper vapor barrier and venting below the subfloor and correct. Do not add a vapor barrier on top of a wood subfloor.
3. Strength™ may be floated over subfloor where gypcrete has been installed (see Installing Flooring over Strength™ for Floating and Glue Down Methods).

**Note: Strength™ has a Water Vapor Emission rate of 0.511 lbs. per 1,000 square feet per 24 hours and a Permeance of 2.329.**

### STEP 1

#### Installing Strength™ to Substrate

##### Floating Method

Luxury Vinyl Tile (incl. attached back), Engineered Wood, Laminate, Carpet Tiles, Sheet Vinyl (perimeter glued/fastened)

- Floated – may be loose-laid.
- Cut material to fit the room, leaving 1/8" gap around perimeter of the room.
- Run underlayment perpendicular to plank flooring or at a 45-degree angle for square tile flooring.
- Join seams by butting material and seam joints with clear 2" packing tape.

##### Glue Down

Luxury Vinyl Tile, Engineered Wood, Laminate, Carpet Tiles, Ceramic/Porcelain Tile, Sheet Vinyl (felt-backed)

- Adhesive bond – Use a premium pressure-sensitive or multipurpose adhesive.
- Cut material to fit the room leaving 1/8" gap around perimeter of the room.
- Run underlayment perpendicular to plank flooring or at a 45-degree angle for square tile flooring.
- Use the roll core which came with the Strength™ roll to press the underlayment evenly into the adhesive.
- Join seams by butting material.

##### Ceramic & Porcelain Tile

- Thin-set bond – may be used where ceramic tile will be installed.
- Cut material to fit the room, leaving 1/8" gap around perimeter of the room.
- Run underlayment perpendicular to plank flooring or at a 45-degree angle for square tile flooring.
- Use a 1/8" x 1/8" square notched trowel if not specified by thin-set instructions.
- Use the roll core which came in the roll to press the underlayment evenly into the thin-set.
- Allow proper set time before moving to the next step.
- Check with thin-set manufacturer to determine if modified or unmodified thin-set is required.
- Subfloor must meet local code requirements and deflection load requirements for the specific job; refer to the TCNA handbook for other requirements and limitations.

### STEP 2

#### Install Flooring over Strength™

##### Floating Method

Luxury Vinyl Tile (incl. attached back), Engineered Wood, Laminate

- Floated – Install following manufacturers' installation instructions

##### Glue Down

Luxury Vinyl Tile (incl. attached back), Engineered & Solid Hardwood, Carpet Tiles, Sheet Vinyl (felt-backed)

- Adhesive bond – LVT – Use a premium pressure-sensitive adhesive: For other flooring, refer to installation instructions for adhesive requirements.

Sheet Vinyl – Fiberglass or Felt-backed style – Refer to the installation instructions provided by the flooring manufacturer.

- Perimeter glued or fastened method – Refer to the Sheet Vinyl installation instructions.

##### Ceramic & Porcelain Tile

- Thin-set bond – May be used where ceramic tile will be installed. Use a 1/8" x 1/8" square notched trowel if not specified by thin-set instructions. Allow proper set time before moving to the next step.
- Check with thin-set manufacturer to determine if modified or unmodified thin-set is required.
- Subfloor must meet local code requirements and deflection load requirements for the specific job; refer to the TCNA handbook for requirements and limitations.

##### Nail Down

Engineered & Solid Hardwood

- Nail-down – Suitable in nail/staple-down applications. Refer to the flooring installation instructions.

During noticeable changes to temperature and humidity, pay especially close attention to the adhesive recommendations and adjustments that may be required. Underlayment may not prevent the flooring from contracting or expanding because of temperature and humidity changes. Consult with the flooring manufacturer for questions regarding the installation, care, and maintenance of your new floor.

Suitable adhesives can be obtained from a wide range of manufacturers. The following list contains contact information for a few adhesive manufacturers and is not meant to be all-inclusive.

BOSTIK	800-726-7845
ROBERTS / QEP	800-423-6545
CAPITOL	888-875-5087
W. F. TAYLOR (E)	800-868-4583
HB FULLER	800-621-0220
W. F. TAYLOR (W)	800-397-4583
MAPEI	800-992-6273
W. W. HENRY	888-512-7339
ROYAL	800-763-7272
AAT	800-228-4583
TEC	800-832-9002
Schonox	855-391-2649

NOTE: The installer is responsible for checking for visual damage or defects as Leggett & Platt will not be responsible for covering labor or materials costs claimed on underlayment with visual defects.

Visit [LPFlooringProducts.com](https://www.lpflooringproducts.com)  
for more information.



Scan for more  
information

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FLOORING PRODUCTS