

QuietBLOCK™

LVT PSA II

INSTALLATION & PRODUCT SPECIFICATION GUIDE

FOR RESIDENTIAL INSTALLATIONS ONLY

SUPERIOR SUPPORT, STABILITY, MOISTURE PROTECTION AND SOUND ABSORPTION.

The all-in-one underlayment system for luxury vinyl tiles and planks, with pressure sensitive adhesive (PSA) for quick, clean, easy and effective installation.

- Pliable high density construction
- Absorbs sounds to create a quieter floor
- Ecological materials used in fabrication
- Fast and easy to install - rolls out perfectly flat
- Smooths out minor floor irregularities
- Improves comfort by giving firm support under hard surfaces
- Resists moisture, mold & mildew



QUIETBLOCK LVT PSA II is suitable for floating installations over:

- Plywood
- Oriented Strand Board (OSB)
- Particle Board
- Concrete
- Gypsum Board
- Existing Floors
- Resilient Vinyl
- Hardwood

TIPS FOR A SUCCESSFUL INSTALLATION

Underlay should be stored at room temperature for at least 48hrs pre installation.

LVT should always be allowed to condition prior to the installation. Follow the manufacturer's recommendations on conditioning.

Ensure that the LVT is clean and completely dust-free. If the LVT is dusty, wipe it down with a clean, lint-free cloth and allow to dry completely before installation.

STEP 1:

Subfloor surface must be structurally sound, clean and dry before installation. Check for protruding nails and/or defects in the subfloor. If installing over concrete, the concrete must not exceed 95% RH (relative humidity).

STEP 2:

Start in a corner and begin installation of the underlayment. Unroll underlayment parallel to the wall, perpendicular to the direction you plan to install the flooring tiles or planks. The PSA side should be facing up.

STEP 3:

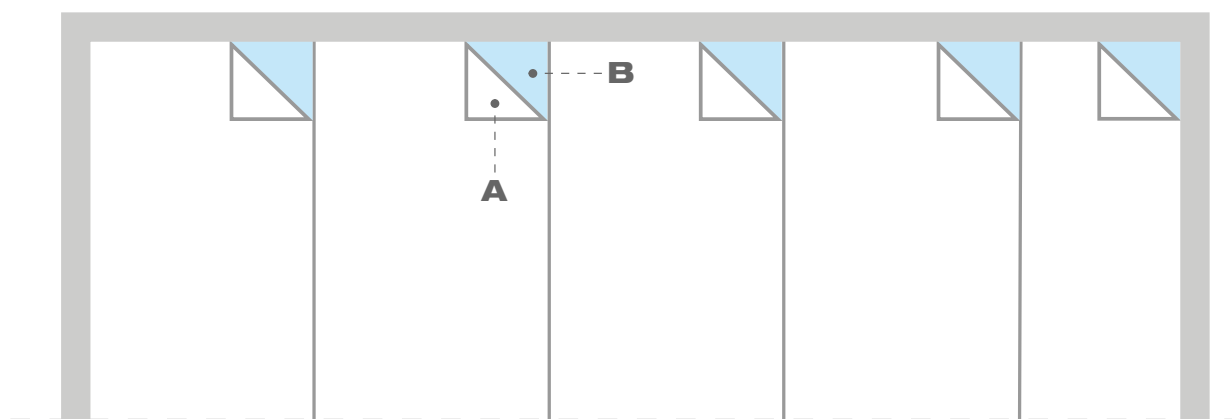
Roll out next row in the same manner butting foam close to first row. Do not overlap foam pad, but ensure there are no gaps.

STEP 4:

Cover the entire floor area to be fitted with LVT underlay taking caution such that when the release film of the PSA is folded back the below NOTE is taken into consideration. Joints must be closely butted together (to ensure that there are no gaps in the LVT underlay) and run perpendicular to the direction of the planned LVT edges. When fitting square tile system, care should be taken to set out the LVT underlay to prevent tile edges coinciding with the underlay joints.

BEFORE MOVING TO STEP 5, NOTE: QuietBLOCK LVT PSA II can shrink as much as 1.5% of its original size after unrolling and removing the PSA paper/film. To avoid gaps between each roll of underlay be sure the joints are closely butted together and always leave 6" of extra length at the end of every roll (after installation is complete any excess underlay in the length can be trimmed and discarded). Always follow the installation instructions closely.

DIAGRAM 1



STEP 5:

Refer to Diagram 1, at the perimeter wall where the installation of the floor begins, peel back the right hand corner of the release film (A) at 45 degrees to the wall in order to expose a triangular shaped area of adhesive (B) on each strip of Underlay. Fold back sufficient release film to extend beyond two LVT plank widths.

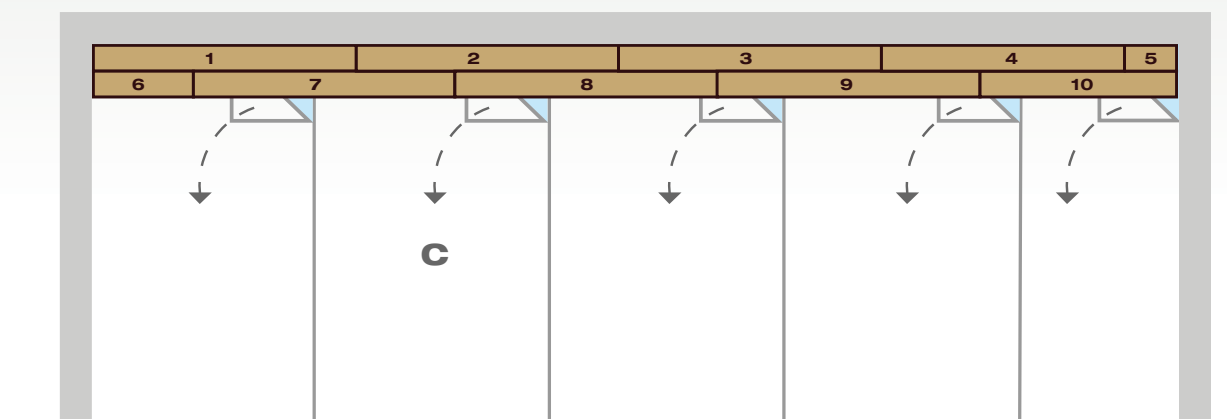
STEP 6:

Set out the first row of LVT planks across all the LVT Underlay rows along the full length of the starting wall, making sure that the LVT is square to the centre of the room.

Ensure that the correct expansion gap is maintained between the wall and the LVT (refer to the LVT manufacturers' guidelines on the necessary expansion gap).

Do not press the LVT onto the corner of exposed adhesive yet, but allow the adhesive to hold the LVT gently in place. Now position the second row of LVT planks to produce a configuration of LVT and release film that resembles Diagram 2 below.

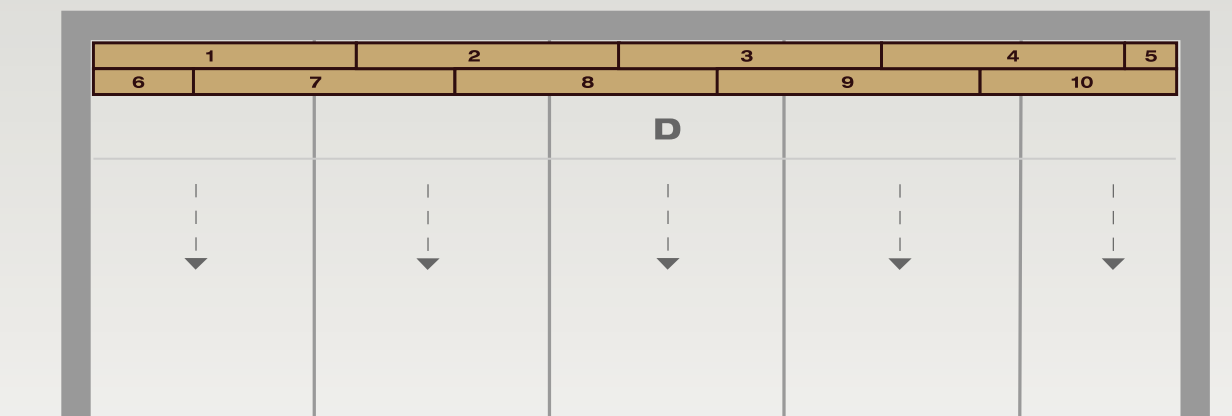
DIAGRAM 2



Starting with the first row of LVT Underlay, hold the first two LVT planks together with one hand, whilst gently peeling back the release film from under the planks with your other hand (in direction C of Diagram 2 above). Continue peeling back the release film until the adhesive membrane below the first two planks is fully exposed. During this process, the angle of the release film fold and the wall will change from the initial 45 degree angle to becoming parallel to the planks and the wall. While still maintaining pressure on the LVT edges, secure these first two planks in position by pressing them firmly onto the exposed adhesive. Repeat this process for each of the LVT Underlay rows, until the first two rows of planks are secured by the LVT Underlay adhesive membrane along the entire length of the installation.

At this point, the first two rows of planks will be secure and any excess LVT Underlay release film (D) will be folded back parallel to the exposed edge of the second LVT plank, as shown in Diagram 3. Ensure that the release film is butted tightly against the exposed edge of the second plank so that no adhesive membrane is exposed along the length of the installation. If too much release film is peeled back, stick the release film back up to the last fitted plank and fold along the edge, so that no adhesive membrane is exposed.

DIAGRAM 3



Now position the third row of planks along the full length of the installation on top of the folded back release film.

Starting once again with the first row of LVT Underlay, gently pull the release film from under the third row of planks, ensuring that the butt edges remain tight. The adhesive membrane will automatically enhance (support and strengthen) the butt edges as the release film is peeled back. Repeat this process for each row of LVT Underlay until the third row of planks is secured along the full length of the installation.

STEP 7:

When cutting the perimeter LVTs, use either the overlap method or the scribe method depending on the straightness of the wall in order to maintain the required expansion gap.

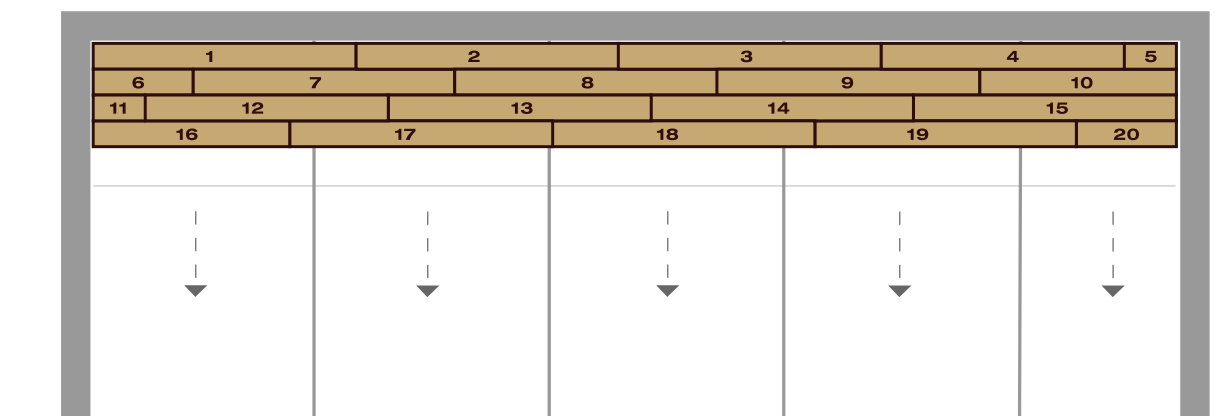
STEP 8:

As shown in Diagram 4 below, continue installing all the remaining rows of planks in the same manner until the installation is complete.

IMPORTANT:

Entire finished area must be rolled with a minimum 100 lb roller after installation. Use hand roller in areas not reached with the 100 lb roller.

DIAGRAM 4



PLEASE NOTE:

- Always refer to surface floor manufacturer's installation guidelines in conjunction with this one.
- When using LVT Underlay in a situation where there could be heavy load points caution should be exercised. This LVT Underlay has been tested under ASTM F970 with LVT 3.2mm thickness, applying the maximum load for the standard of 250lb, and does not present visually apparent indentation, allowing loads up to 250 psi.
- With installations in areas under direct sunlight, this LVT Underlay PSA remains unaltered up to 170 °C / 338 °F. For your entire flooring system, this point should be discussed with your sales rep for more information. Guidelines and recommendations can be provided for specific requirements of the project.
- When the adhesive membrane is exposed, avoid contamination with dirt or dust, as it will cause a weakening of the adhesive bond.
- Underlayment must be acclimated at a temperature between 18 °C / 65 °F and 29 °C / 85 °F for 48 hours before, during and after installation. After installation, maintain a consistent room temperature between 12 °C / 53 °F and 29 °C / 85 °F. These guidelines have been set in order to prevent excessive expansion and contraction of the LVT product, after installation, which the underlay cannot prevent.
- In installations where underfloor heating is used, the heating should be switched off 48 hours prior to installation and 48 hours afterwards. It should be brought slowly back up to working temperature, about 5 °C / 41 °F / day. Peak temperatures should be avoided for further 7 days. Most manufactures recommend a maximum heat of heat of 81-83 °C / 178-181 °F, but always consult the manufacturer's specs to avoid any misunderstandings.

SOUND ABSORPTION

Delta IIC – rating difference between a floor measured with an underlayment and without an underlayment

20 dB

Sound Transmission Class (STC) – measures the air-borne sound insulating property of a partition element for effectiveness in blocking sound

73 dB

Impact Insulation Class (IIC) – measures sound transmission through the floor

70 dB

LEED® POINT CATEGORIES

- Acoustical properties
- Low emitting materials
- Regional priority

SPECIFICATIONS

PROPERTIES	LVT UNDERLAYMENT
CONTENT	100% VIRGIN SBR RUBBER & NATURAL ACOUSTIC SAND
PSA COMPOSITION	ELASTOMERIC POLYMERS AND RESINS WITH HIGH TACK
GREEN APPROVAL	LOW OR NO VOLATILE ORGANIC COMPOUNDS (VOCs) FOR OPTIMAL INDOOR AIR QUALITY; CONTAINS NATURAL ACOUSTIC SAND
APPLICATIONS	RESIDENTIAL
THICKNESS	1.5MM
DENSITY	59.3 / FT ³
WEIGHT	45 OZ/SY
SUBSTRATES	NON-WOVEN
ROLL WIDTH	3 FT (36")
ROLL LENGTH	33.33 FT (400")
ROLL WEIGHT	31 LBS
FULL ROLL	100 SQ FT (11 SQ YDS)
COLOR	TAN
WARRANTY	LIMITED LIFETIME WARRANTY

FAQs

DOES VINYL FLOORING (TILES OR PLANKS) NEED UNDERLAYMENT?

Yes. **QuietBLOCK LVT PSA II** is designed to create a smooth, durable surface which will add to the ease of the installation and performance of your Vinyl flooring. Due to the inherent nature and thickness of vinyl flooring it can often telegraph subfloor imperfections which will degrade the look and feel of your floor. **QuietBLOCK LVT PSA II** will help to mitigate subfloor imperfections and contribute to a better looking and longer lasting floor.

WHAT KIND OF UNDERLAYMENT IS BEST FOR VINYL FLOORING?

Vinyl flooring requires a stable, high density underlayment that will remain flat for the life of the installation and refrain from warping, compressing, buckling, or expanding even when exposed to large amounts of moisture. **QuietBLOCK LVT PSA II** is manufactured to a high density specification of 59.3lbs/ft³. This high density specification, combined with its rubber construction, create the stability and water resistance required.

CAN QUIETBLOCK LVT PSA II BE INSTALLED OVER RADIANT HEAT FLOORS?

Yes. Always follow the LVT manufacturers installation and maximum temperature guidelines for radiant heated floors.

IS QUIETBLOCK LVT PSA II SUITABLE FOR HIGH TRAFFIC AREAS (I.E. HALLWAYS)?

QuietBLOCK LVT PSA II is resistant to high indentation (compression) and cyclic loads, both common occurrences in areas of high traffic. **QuietBLOCK LVT PSA II** is suitable for use in residential applications.

QuietBLOCK™
— LVT PSA II —

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