

InstaLay 30 (low grab)

INSTALLATION INSTRUCTIONS Luxury Vinyl Tile/Plank Flooring (Click Joint) Installation Using The InstaLay Self-Adhesive Installation System (loose laid to the sub-floor)

Acoustic system for use below most types of Luxury Vinyl Tile and Plank Flooring products

Domestic and commercial use, suitable for heavy foot traffic
Manufactured using recycled rubber crumb. Guaranteed for 10 Years
Roll Size: 3mm - 1.0m x 15.0m (15.0m² / roll) / 3ft 3in x 49ft 2in (161.4ft² / roll)

1. Before the installation commences, it is important to check that there is no potential for the floor surface temperature to exceed 27°C (80°F). InstaLay creates a floating floor installation and is not designed to stop excessive expansion of luxury vinyl tiles that are subject to high surface temperatures. LVT installations with InstaLay are therefore subject to the maximum industry standard limitations of 27°C (80°F) surface temperature, such as in the case where underfloor heating is present. If there is any doubt, InstaFloor recommends that the floor temperature is checked with an infra-red temperature gauge. On completion of these measurements, if the floor surface temperature is expected to rise above 27°C (80°F) then InstaLay should not be used.
2. The sub-floor must be sufficiently level (for imperfections not to protrude through InstaLay), smooth and dry. InstaLay is a moisture tolerant installation system that can be used over concrete sub-floors without a DPM where the moisture level does not exceed 90% RH. If sub-floor relative humidity is above 90%, a damp proof membrane (DPM) such as 600 gauge (6mil) polythene sheeting must be used under the InstaLay loose lay system. The sub-floor must also be sound and suitable for receiving a floor covering. When installations are to be carried out in newly constructed buildings, the structure must be fully enclosed and watertight.
3. A DPM is recommended on all concrete floor slabs where the moisture level is above 90% RH. If a DPM is required, the joints should be overlapped by a minimum of 150mm (6in) and be taped and sealed with waterproof adhesive tape. The DPM should be allowed to extend up the perimeter walls by 50mm (2in), and can later be trimmed level with the surface of the finished floor, to allow moisture vapour to be expelled above the finished floor height around the perimeter of the room.
4. The LVTs should always be allowed to condition prior to the installation. Before starting the installation, always follow the manufacturer's conditioning recommendations carefully (conditioning should never be less than 48 hours). The InstaLay must also be conditioned together with the LVTs for the same length of time, in the location where the installation will take place. It is important to control the internal temperature and humidity during and following the installation and we recommend that if a HVAC system is installed, it should be running constantly to maintain the required conditions. The air conditioning system should be allowed to run for a sufficient time to create the normal internal climate that the floor

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will be subject to during normal use. Once the climate has been stabilized, InstaLay and the floor covering should be conditioned to this environment for at least 48 hours prior to the installation.

5. Roll out and position the InstaLay (over the DPM, if fitted), with the exposed rubber surface facing downwards and the release film facing upwards, in rows next to one another (do not overlap the InstaLay).
6. Cover the floor area to be fitted with InstaLay, leaving an expansion gap between the InstaLay and the perimeter wall. The expansion gap should be identical to the expansion gap being left between the wall and the LVT being installed above (see section 8 below). Joins must be closely butted together (to ensure that there are no gaps in the InstaLay) and run in the opposite direction to the planned LVT click joints. When fitting a square tile system, care should be taken to set out the InstaLay to prevent tile edges coinciding with the underlay joins.
7. Please be aware that:
 - **InstaLay 30lg is suitable for use with LVTs which are ≥ 3.0 mm in thickness.**
8. Always ensure that the LVTs are clean and completely dust-free. If they are at all dusty, wipe them down using a clean, damp, lint-free cloth and allow them to dry off completely before installation.
9. As shown in Diagram 1 below, at the perimeter wall where the installation of the floor begins, peel back the right hand corner of the release film (A) at 45° to the wall in order to expose a triangular shaped area of adhesive (B) on each strip of InstaLay. Fold back sufficient release film to extend beyond two LVT plank widths.

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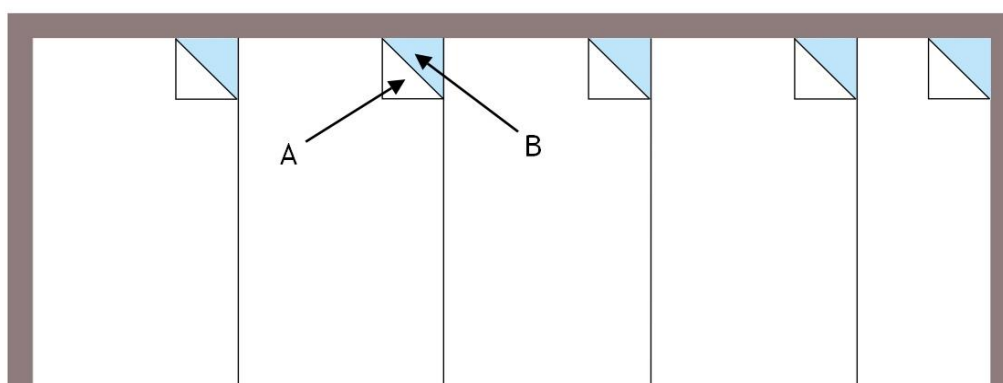


Diagram 1

10. Set out the first row of LVT planks across all the InstaLay rows along the full length of the starting wall, making sure that the LVTs are square to the centre of the room. If the starting wall is out of square with the room, then the first row of LVTs will need to be cut in to the wall in order to maintain alignment with the centre of the room. Because this is a floating floor installation, it is recommended that a minimum 3mm expansion gap be maintained between the wall and the LVT around the entire perimeter of the room. This is necessary, as the LVT may expand and contract with changes in temperature. 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.

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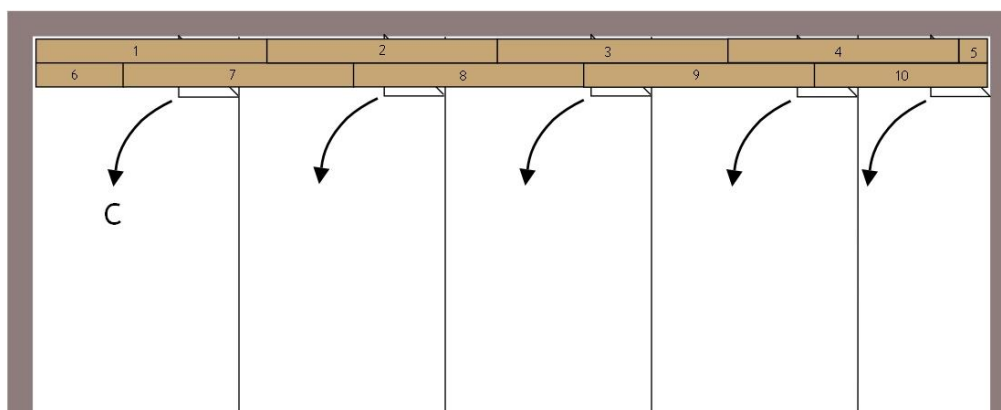


Diagram 2

11. Starting with the first row of InstaLay, 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° angle to becoming parallel to the planks and the wall. Whilst still maintaining pressure on the LVT click joints, secure these first two planks in position by pressing them firmly onto the exposed adhesive. Repeat this process for each of the InstaLay rows, until the first two rows of planks are secured by the InstaLay adhesive membrane along the entire length of the installation.
12. At this point, the first two rows of planks will be secure and any excess InstaLay release film (D) will be folded back parallel to the exposed edge of the second LVT plank, as shown in Diagram 3 below. 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.

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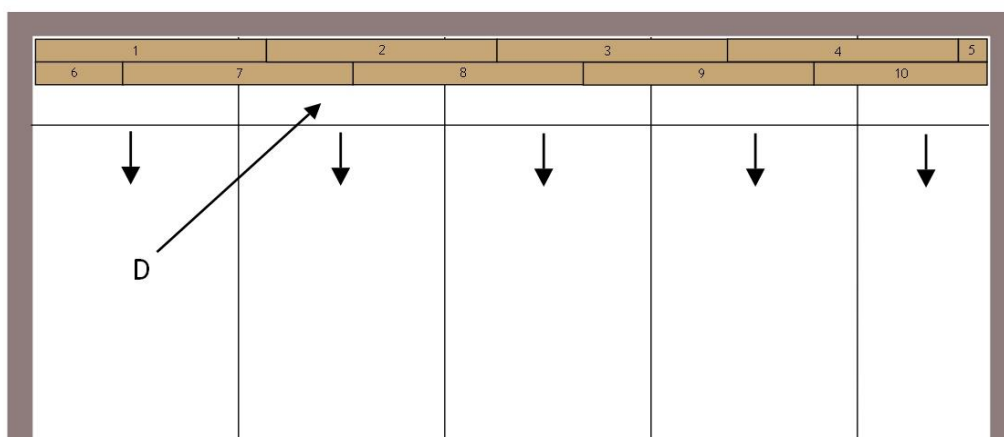


Diagram 3

13. 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 InstaLay, gently pull the release film from under the third row of planks, ensuring that the click edges remain tight. The adhesive membrane will automatically enhance (support and strengthen) the click edges as the release film is peeled back. Repeat this process for each row of InstaLay until the third row of planks is secured along the full length of the installation.
14. When cutting the perimeter LVTs, use either the overlap method or the scribe method depending on the straightness of the wall.
15. As shown in Diagram 4 below, continue installing all the remaining rows of planks in the same manner until the installation is complete.

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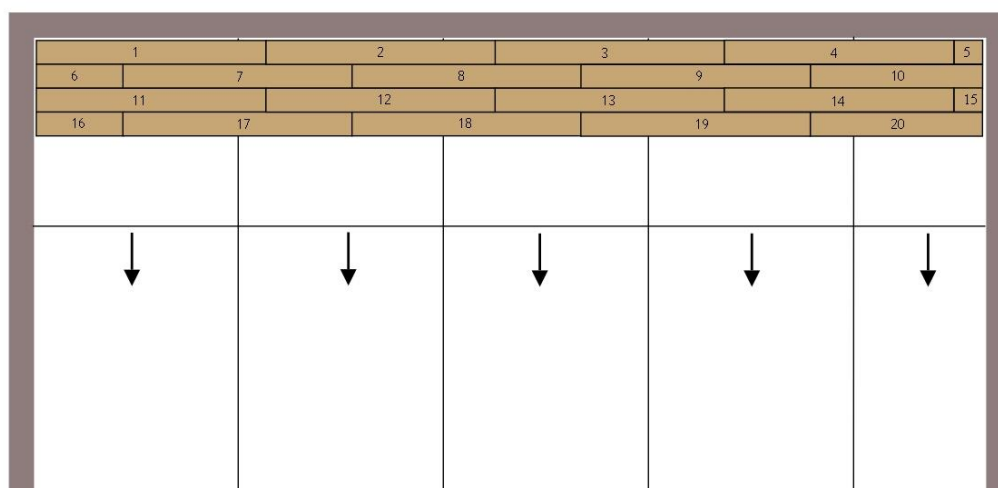


Diagram 4

16. When a suitably large section has been fitted, it should be rolled at a 45° angle using a light weight roller (maximum roller weight of 20kg / 45lbs) to the direction of the LVTs. Repeat this process for all additional sections until the entire floor has been fitted.
17. To complete the installation perimeters, use a small hand roller in areas that are inaccessible to ensure a good adhesion between the LVTs and the InstaLay adhesive membrane.

Please note:

- ✓ **When using InstaLay below LVTs in a situation where there could be heavy point loads, caution should be exercised. In such cases please refer to the InstaFloor Technical Department.**

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- ✓ We advise that InstaLay is generally not suitable for installations in conservatories or other areas where there is extreme heat (where the installation is subject to temperatures in excess of 27°C / 80°F) due to direct sunlight (or other sources). We recommend that installations in conservatories or areas where the installation is subject to temperatures in excess of 27°C (80°F) should be discussed with the InstaFloor Technical Department. Guidelines and recommendations can then be provided for the specific requirements of the project.
- ✓ For any situation where a castor wheel chair may be used, a floor protection mat should always be used. This prevents any possible damage to the edges of the tiles/planks by the castor wheels rolling over the joints.
- ✓ When the adhesive membrane is exposed, avoid contamination with dirt or dust as this will cause a weakening of the adhesive bond.
- ✓ When installing larger areas (100m² + / 1000ft² +), the minimum expansion gap between the wall and the LVT (including the InstaLay) around the entire perimeter of the room should be increased to a minimum of 10mm. The expansion gap can be neatly finished with a suitable trim, or left free below the skirting boards.
- ✓ In installations where underfloor heating is present the heating should be switched on to a low setting, giving a floor temperature of 22°C (71°F) prior to conditioning and installation. This temperature should then be maintained until the conditioning and installation processes have been completed. InstaLay and the LVTs should be allowed to fully condition at 22°C (71°F) ambient temperature for at least 48 hours before the installation commences. To ensure compliance we recommend that an infra-red temperature gauge is used to check and record the floor temperature. Once the installation is complete, the underfloor heating should then be brought slowly back up to a normal working temperature over the next 48 hours. Peak temperatures should be avoided for a further 7 days and should never exceed 27°C (80°F).
- ✓ Due to the nature of vinyl tiles expanding and contracting in direct relationship to temperature changes, in locations where there are sudden and dramatic temperature fluctuations please refer to the InstaFloor technical department for advice before the installation commences.