deZIGN
THE ART OF FLOORING

# luxury vinyl tiles (LVT) dry back/stick down


Part 1: General Information

Part 2: Floor preparation

Part 3: Installation

Part 4: Care and Maintenance

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Recommended Applications:

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|---|---|---|
| **LVT;** | **S122: 0.2mm wear layer** | **residential grade** |
| **LVT;** | **S200: 2mm / 0.3 wear layer** | **residential / moderate commercial** |
| **LVT;** | **S250: 2.5mm 0.55 wear layer** | **commercial grade** |
| **LVT;** | **SHB: 2mm/ 0.4mm wear layer** | **residential /commercial** |
| **LVT;** | **SXL: 2mm/ 0.4mm wear layer** | **residential /commercial** |

## Part 1: General Information

The below guidelines should be taken into consideration before undertaking any installation to ensure the desired outcome.

Floor preparation is essential to ensure trouble free installation.

Should these requirements not be met or are overlooked, you may be jeopardising the performance of the floor and the warranty.

LVT floor products are only suitable for indoor use.

Note: Always retain a copy of your invoice as proof of purchase and warranty.

# Part 2: Floor Preparation

Sub Floor

- A suitable subfloor is essential to ensure product performance.
- The subfloor must be smooth, flat, dry, firm and free of movement.
    - Smooth; all surface imperfections should be filled and sanded with a cement based latex patching compound. Sanding of the subfloor is recommended.
    - Flat; sub-floor level must be within 3mm over 1.5m for 360 degrees
    - Dry: sub-floor moisture levels must be below 3%.
- deZign LVT recommend the application of a moisture barrier as a precaution.
- Completely remove all residual adhesives of previously covered concrete floors.
- The subfloor temperature must be maintained at approximately 18 degrees Celsius for 24 hours prior to installation to ensure correct adhesion and a secure bond is formed.

Concrete Sub Floors.

- Concrete subfloor must be dry, smooth and free from dust, solvent, paint, wax, grease, oil, asphalt sealing compound and other materials.
- The surface must be hard, dense and free from flaking.
- New concrete slabs must be thoroughly dry and completely cured.
- Conduct moisture test (at least 25mm beneath the surface as surface readings are sometimes misleading). Do not install if moisture levels are high.

Wooden Sub Floors.

- Consult with your supplier prior to installation.

Ceramic Tiles.

- Fill all grouting to obtain a suitable flat surface.
- Installing over ceramic tiles without filling grout lines can cause telegraphing.
- Tile surface may require several skim coats to achieve a flat surface.
- A self-levelling compound can be used to achieve this.

Existing subfloor coverings

- LVT floor products may be installed over most smooth, single layer, hard surface existing floor coverings however not recommended.
- Do NOT install over carpet, which must be removed and the subfloor prepared as required.

## Part 3: Installation

**Tools required**

1. Recommended LVT adhesive – please check with your adhesive supplier or manufacturer
2. Recommended trowel
3. 45 - 68kg, 3 section roller
4. Chalk line
5. Carpenter square
6. Utility knife
7. Cutting board
8. Tape measure
9. Moisture meter
10. Aluminium straight edge -3m

LVT flooring and adhesives should be stored on site unopened for 48 hours prior to installation at room temperature.

Ensure the site is ready for installation, all other building activities must be completed prior installation to avoid any damage to the LVT floor.

It is important that a ventilated and consistent temperature of 14 to 30 degrees Celsius be maintained, during and after installation for ideal product performance.

Make sure all cartons have the same product code / batch numbers before installing.

- Colour and batch difference can occur between different batch numbers.
- Check all planks in daylight before installing.

Floor layout;

- To obtain best result, laying should commence from the centre of the room.
- As a general rule, install the planks in the direction of the traffic flow. It is advisable to lay the planks parallel to the longest room dimension.
- Carefully determine the square-ness of the room and walls with the aim to determine the width of the last row of planks. If the width of the last row of planks is less than 50mm, the width of the first row of planks will have to cut accordingly.

Installation;

- Use a suitable LVT adhesive. Please check with your local importer for further details.
- Allow expansion gaps of 2 - 5mm around the perimeter of the floor and all fixtures.
- Do not use silicone / glue in any expansion gaps.
- All base cabinets must be installed prior to installing LVT flooring.
- Carefully check planks before installing for any defects. Do not install planks that have visible defects.
- Mix panels from different cartons to ensure a random and natural appearance.
- LVT planks are cut using a sharp utility knife and straight edge. Score the surface of the plank with the utility knife and then snap the plank at the score line.
- Pour sufficient adhesive onto the subfloor to cover a workable area (+-2$m^2$). Take into consideration manufacturer's guidelines regarding flash off and curing times.
- Evenly spread the adhesive using the recommended notch trowel (1.50 x 1.50 x 1.50mm at 4mm centres).
- Lay the planks in one direction. Check for directional arrows and follow guidelines.
- Start by installing the planks tightly together along the centre of the line. Complete each row including cut pieces against the wall before proceeding to the next line.
- Offset end joins by at least 15cm and position in random fashion for natural appearance.
- After installing a row, gently lift one plank at the edge to check for adhesive transfer between plank and subfloor.
- Prior to final curing of the adhesive, any excess adhesive must be cleaned off immediately.
- The floor must be rolled using a 3 section, 45- 68kg roller in all directions during and after the installation. This is extremely important for the floor to settle and form a firm bond.
- Do not wash the floor for 48 hours after installation.
- Limit traffic of the floor for 48 hours after installation.
- Cutting shapes around objects can be can be easily done with a utility knife. Simply make a pattern out of heavy paper / steel to fit round any irregular object. Place the pattern upon the plank and then make one or several cuts on the plank surface with the blade. Then bend and snap the plank to break it into shape and trim any rough edges with a knife.
- Should a plank be damaged during installation, simply heat up the single damaged plank only using a heat gun or hair dryer, cut the damaged plank out and insert the new plank.
- Fit appropriate finishing skirting's / scotia's / profiles where planks meet walls or other types of flooring.
- Finishing profiles should never be secured to the LVT.

Under floor heating;

- LVT flooring can be installed in conjunction with floor radiant heating systems.
- Subfloor surface must not exceed 27 degree Celsius.
- 85% of the floor area must be covered by the heating elements to provide an even distribution of heat over the entire floor.
- Heating pad systems are not recommended.
- Do not place heavy rugs on your LVT.  This will create heat build-up and will have a negative effect on the floor.

## Part 4: Care & Maintenance

Initial Handover;

- Do not wash the floor for 48 hours after installation.
- Remove any adhesive from the surface of the plank while wet.
- Clean with a dry microfiber mop or a soft broom.
- Stubborn marks can be removed using water on a damp cloth.
- Do not place heavy items / furniture on the floor for 48 hours after the installation.

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Preventive Care;

- Use protective walk-off mats (non-rubber) at all house entrances.  This will avoid/reduce transfer of sand, dirt and grit onto the floor.
- Worn out high heels can also cause damage to the LVT floor.
- Rubber mats will cause discoloration to your LVT floor.
- Place floor protectors under all furniture feet which will allow easy movement and prevent scratching.  Do not drag objects / furniture on the LVT floor, it can scratch.
- Sharp objects like stiletto heels can damage your floor.
- Pets with unclipped nails can cause scratching to LVT flooring.
- Ensure castor wheel chairs are fitted with soft castor wheels, use chair mats or floor protectors if necessary.
- Avoid exposure to direct sunlight.
- Ensure all sliding doors and windows have sun filtering elements to prevent direct sun exposure.

- Direct sun will cause colour fading and product deterioration.
- Rugs should be moved around from time to time to prevent fade patterns forming.
- When using room heaters, ensure the floor area directly in front of the heater is covered. This will prevent the risk of concentrated heat damaging the LVT floor.

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General Maintenance;

- Sweep and clean regularly to remove surface dust and grit using a micro-fibre broom.
- Use a damp cloth or micro-fibre mop to clean dirt and footprints but avoid using excessive water on the floor.
- Do not use any harsh abrasive cleaners, chemicals, dish washing liquid and furniture dusting products.
- Do not wax or polish the floor.
- Spots, stains and food spills should be cleaned up immediately using a non-abrasive cleaner.
- You may remove adhesive, chewing gum or similar substances by applying an icepack until the substance becomes brittle enough to crumble off. The residue may be removed with mineral spirits.
- Keep spare planks from the same batch in case of remedial work that may be required.

## Part 5: Warranty

deZign Floor LVT warranty;

- Product; 0.55mm wear layer 20 years residential 15 years commercial
- Product; 0.3mm wear layer 15 years residential 10 year moderate commercial

*For commercial warranty, please check on use and application*

- deZign Floor LVT must be installed according to manufacturer's specifications for the warranty to be valid

Warranty includes;

- The floor will be free from manufacturing defects.
- Wear warranty, the floor will not wear through or permanently stain from normal day to day household conditions when it is installed and maintained according to instructions as set out by the manufacturer. [as per period set out above]

Warranty Limitations & conditions.

- The warranty does not cover damage due to improper installation, maintenance, burns, tears, indentations, stains, reduction in gloss level due to normal wear and tear or any exterior factors (like moisture, improper subfloor etc.)

- Panels with visible defects must not be installed.
- The warranty covers the replacement of the affected LVT only.
- The warranty does not include the replacement of a complete floor.  The warranty does not cover labour costs, loss of time, incidental or consequential damages or expenses or any other damage caused from the faulty floor.
- If the product or décor are no longer available, a similar décor in an equivalent range will be made available. The factory does not guarantee the availability of a range or décor for the lifetime of the warranty.
- Warranties are instituted on a sliding scale ratio, depending on the time elapsed from the date of purchase.
- Problems experienced or caused by water, moisture or poor installation methods are excluded.
- Warranties are not transferrable and applies to the original user of the floor only.
- The factory holds the right to inspect the floor and panels.
- Please retain a copy of your invoice from your place of purchase for warranty purposes.