

Installation Instructions

Luxury Vinyl Plank/Tile (LVT/P)

Materials shall be installed in accordance with AUSTRALIAN STANDARDS 1884 Floor coverings Resilient sheet and tiles – Installation practices and these instructions.

Please read all instructions before you begin the installation

Armstrong Luxury Vinyl Planks / Tiles (LVT/P) floors must be installed in accordance with these instructions and current Australian Standards (AS 1884 Floor Coverings-Resilient sheet and tiles-Installation practices) and other applicable national standards or building codes at the time of installation. This product is for internal use only - it is not suitable for outdoor use or areas subjected to continually wet conditions.

Subfloor Preparation

Subfloor preparation must comply with the current AS1884 The subfloor must be firm, hard, flat, level, smooth, dry, clean and dust-free and should be prepared dependent on your subfloor type.

Moisture in Subfloors

Moisture of the base subfloor (Concrete & Timber) must be measured according to the current Australian Standard 1884 Appendix A (or Appendix B where applicable). For any subfloor showing a moisture value above these limits, a suitable damp proof membrane / moisture suppression system must be used.

Types of Subfloors

Solid Subfloors

Concrete (New and old)

For all concrete floors, after using a water drop test (per ASTM F3191) to determine porosity (beading of water droplets) mechanically abrade the floor to remove contamination (laitance, paint, crayons/markers, plaster, adhesive etc). Check for moisture, where required apply a suitable damp proof membrane, primer, and underlayment system in accordance with AS1884 and product manufacturer's instructions.

Sand - Cement Subfloors

NOTE:

AS 1884 does not allow installation of preparation materials and or resilient floor coverings over sand cement subfloors, sand cement subfloors do not possess the required tensile or compressive strength for these products.

Wood Subfloors

All chipboard / particleboard / MDF / Standard floorboards / tongue and groove.

These subfloor types should be well secured, loose boards / panels firmly fastened; any worn/broken boards/ panels must be replaced. Undulating timber subfloors must be rectified by sanding or planing. Check for moisture and overlay with a suitable underlay or underlayment system according to current AS1884. Underlay and or underlayment systems must be installed according to manufacturer's instruction.

Flooring Grade Plywood Subfloors

Plywood subfloor used as a suitable substrate must comply to AS1884, where compliance cannot be met the plywood subfloor is to be treated as chipboard.

NOTE:

For areas where high spillages and repeated wet conditions are likely, use fibre cement sheets instead, installed to manufacturer's guidelines and current building codes. Being extremely porous, fibre cement sheets must first be primed with an appropriate primer and, where required, a smoothing or levelling compound, by consulting your underlayment supplier.

Wood Mosaic Panel, Woodblock, Wood Strip, Laminate / Click Products.

These floor coverings must be removed together with any underlay and flooring accessories. The subfloor should be treated appropriately.

Other Existing Subfloors

Painted Floors

Mechanically remove all paint to fully expose the original base. Check for moisture, assess and treat as per the exposed subfloor in consultation with the underlayment supplier.

Metal Floors

Please refer to your underlayment supplier for further advice and system specifications.

Quarry Tile / Mosaic / Terrazzo / Porcelain / Ceramics

Please refer to your underlayment supplier for further advice and system specifications.

Resilient floor Coverings e.g. linoleum, PVC, cork, thermoplastic, carpet, floating floors

Remove existing floor covering, underlays and or adhesive residues. Assess and treat the exposed subfloor as required.

Underfloor Heating

Luxury Vinyl Planks / Tiles (LVT/P) can be installed over underfloor heating systems, these must be constructed so that the temperature at the adhesive interface does not exceed 28°C.

Refer to underlayment manufacturer for preparation and system specifications.

The underfloor heating must be commissioned and conditioned for a minimum 7 days before installation commences. It should then be switched off 48 hours before, during, and 48 hours after installation. The temperature can then be gradually increased to a maximum 28°C at no more than 2°C per day to the desired temperature as per AS1884.

Pre-installation

AS1884 Section 4 General conditioning and installation procedures.

It is the responsibility of the installer to;

- Visually inspect all materials in optimal lighting to confirm it is the correct design, colour, batch, quality, free from defects and quantity as ordered. If the material or batching is incorrect or where defects are apparent, the supplier must be contacted before the material is installed. Complaints and claims regarding clearly identifiable defects will not be accepted after installation.
- Ensure the site and products have been acclimatised and conditioned to AS 1884 and manufacturers requirements.
- Ensure the subfloor has been assessed and prepared to AS1884 and manufacturers system specifications to provide a substrate ready for the installation of resilient floor coverings.

Installation

Subfloor preparation and Luxury Vinyl Planks / Tiles (LVT/P) installation should not begin until all other trades have completed their work.

Acclimatisation of Material

Flooring products and installation materials must be allowed to condition in the room where installation is to take place (tiles/planks may be stacked but must be rested flat). HVAC systems, where available, should be in operation during the acclimatisation period. Exposure to direct sunlight should be avoided during the acclimatisation and installation process by means of window coverings or temporary measures. For optimum performance, room temperature should always be maintained between 15°C-28°C.

Product Type / Gauge	Acclimatisation Period
LVT/P up to 3.0mm thick	Minimum 24hrs prior to, during & 24 hrs post installation
LVT/P Greater than 3.0mm thick	Minimum 48hrs prior to, during & 24 hrs post installation

Arranging The Planks / Tiles

Luxury Vinyl Planks / Tiles (LVT/P) are randomly distributed in print and colour variation. Some designs contain a higher variation than others. To prevent clusters of print and or colour shading areas, the tiles/planks should be unboxed and shuffled. Dry lay the LVT/P and review prior to adhesive application to ensure a balanced distribution.

Adhesives

Bond Luxury Vinyl Planks / Tiles (LVT/P) directly to the prepared subfloor using Armstrong Flooring LVT-100 adhesive or Armstrong Flooring PU-100 (2-part polyurethane), pending site and environmental conditions. Trowel adhesive on to the floor using a V1 notched trowel or as per adhesive manufacturers instruction.

Use of Adhesives

Excessive temperature changes and high spillage areas Sunrooms / Conservatories / Areas adjacent to panoramic or floor to ceiling glazing / Unheated rooms or where maintaining consistent temperature (15°C to 28°C) is an issue, or areas of high spillages and repeated wet conditions, the floor must be installed with Armstrong Flooring PU-100 (2-part polyurethane).

NOTE: The company will not be liable for any loss, damage, or complaint if incorrect adhesive system has been used.

1. Setout – The installation should be set out to be balanced from the centre of the room to minimise waste, avoid cutting in pieces less than half the plank width or tile size, if you find the cut in planks or tile will be less, the centre starting line should be moved to allow for minimum half the plank or width. This will “balance” the room and provide for a larger cut piece at the wall.

NOTE:

Plank end joints should show a random staggered pattern a minimum of the width of the plank or greater (but no less than 200mm).

Tiles to be brick bond or square set to customers preference.

2. Lay the Luxury Vinyl Planks / Tiles (LVT/P) into freshly spread adhesive without allowing tack-up to ensure maximum bond strength and minimise the risk of peaking and gapping.

3. Immediately roll the installed LVT/P in both directions with a 45kg roller. Use a hand roller for confined areas as you progress paying particular attention to the edges. Wipe excess adhesive off immediately with a damp cloth.

4. Re-roll the entire floor with a 45kg roller in both directions minimum 2 hours later to achieve maximum transfer contact to the floor.

5. Ensure all planks and tiles are free from traffic for 24 hours after installation (or protect them from direct contact e.g. cover with board/sheeting).

6. Clean-up sweep or vacuum post installation. Remove surplus adhesive following adhesive manufacturer guidelines.

7. Maintain climate conditions as per acclimatisation process after installation.

8. Inform and provide customer care and maintenance procedures of their new flooring.

Protection:

When installed protect all Armstrong Luxury Vinyl Plank / Tile floors from heavy rolling loads, other trades, and appliances by using sheets of plywood or MDF.

**ALL FLOORCOVERINGS, & ACCESSORIES MANUFACTURED IN AUSTRALIA AFTER 1st JANUARY, 1984 DO NOT CONTAIN ASBESTOS
WARNING!**

Resilient floorcoverings, adhesives and underlays manufactured in or imported to Australia prior to 1 January 1984 may contain asbestos. If it cannot be definitively established that the previous floorcoverings, adhesives and/or underlay do not contain asbestos:

- You should avoid creating dust and should not sand, dry sweep, dry scrape, drill, saw, bead blast or mechanically chip or pulverise the existing floorcoverings, adhesives or underlay, and
- The previous flooring should only be removed by an appropriately licensed asbestos removal contractor.