



Installation Instructions

Ornato Luxury Vinyl Flooring

Please read the following instructions before starting the installation

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Applications

Ornato luxury vinyl flooring (LVF) is a loose lay, overlay flooring system. It can be installed on hard and flat surfaces such as concrete, tiles, vinyl, timber floors, plywood or particle board as long as the floor is structurally sound, clean, level, smooth, dry and does not have any large cracks.

Ornato LVF is waterproof therefore can be installed in wet areas like bathrooms or laundries but are suitable for internal areas only therefore should not be installed in external environments exposed to the elements.

Important: Ornato **cannot** be installed over carpets.

Ornato loose lay LVF comes with a convenient anti-slip backing that holds the tiles in place thus reducing the need for adhesives in most spaces.

The subfloor moisture content must not exceed 4.5%.

All grout joints and cracks need to be smoothed out with a levelling compound to avoid shadowing.

Existing timber floors may require a ply or hardwood overlay if they are not compliant with subfloor standards.

Pre installation

Inspection

Important: Please carefully inspect all material before installation. It is industry standard to permit a defect tolerance up to 5% due to manufacture. The installer assumes all responsibility for final inspection of product quality and should not use or cut off pieces with deficiencies. Boards that do not lie straight or flat should not be installed. Any flooring installed with obvious visual or structural defects will not be warranted.

Acclimatisation

Ornato LVF are sensitive to temperature changes and should only be installed in normal living conditions of 15 degrees C to 28 degrees C. The building should be roofed and enclosed with the temperature and humidity inbetween 15 degrees C to 28 degrees C for at least 48 hours prior to installation.

Flooring should be delivered at least 48 hours prior to installation and stored internally to adjust to normal room temperature and humidity in the room it is being installed. The boards should be stored flat not near any air conditioning vents, heaters or direct sunlight. The planks can only be stacked to a maximum of four high and must be removed half an hour from their boxes prior to use.

Job site conditions

It is the responsibility of the installer/owner to determine that the job site conditions are suitable and environmentally acceptable for storage of flooring prior to installation as well as the commencement and completion of installation. Eco Flooring Systems declines any responsibility for failure resulting from or connected with sub floor, sub surface, or job site damage, or deficiencies after flooring has been installed.

Ornato LVF should only be installed in the final stages of completion of a construction project with all trades people having left the site. All work involving water or moisture should be completed prior to installation (cement work, plastering, painting, plumbing, and tiling etc). Should this not be the case, installation should be delayed to avoid damage to the flooring and allow for changes of humidity in the room.

Before commencing, ensure that the floor will fit under doors and skirting boards. It may be necessary to remove the skirting boards to allow a suitable expansion gap around the perimeter, or to trim doors and architraves.

Note: Eco Flooring Systems makes no warranty or guarantee of the quality of the chosen installer's work. Eco Flooring Systems disclaims all liability for any errors or improprieties in the installation of its product by an installer.

Subfloor Preparation

It is vitally important to check the following points before laying your floor:

- Good ventilation with all sub floor areas having adequate air vents to all external walls (min size recommended is 230mm x 170mm x 2000mm apart)
- Minimum clearance of 400mm from the ground to the underside of the sub floor (crawl space)
- Adequate cross ventilation in internal dwarf walls (full brick construction) ensuring these walls are ventilated in the same manner as the external walls. If subfloor is open to the elements on the underside, additional protection by a vapour barrier is required on the underside of the subfloor.
- Level and smooth sub floor. Level flat to 5mm per 3m radius.
- Surfaces must be clean and dry, free of dirt, wax, oil, paint, curing agents or other contaminates.
- Lightweight concrete is not suitable unless more reinforcing agent is added to it

Leveling

Uneven or damaged surfaces must be repaired with a cement leveling compound, following the manufacturer's instructions (eg Ardex K12) or use a plywood underlay (10mm min). Secure plywood with corrosion proof concrete nails or screw fix with masonry spaghetti. Seal all drill holes. The ply must be fixed securely with nails at least 300mm apart. Inadequate fixing will result in a noisy floor when you walk on it.

Installing the Floor

Important: Cutting of Ornato LVT needs to be done vertically to prevent each tile from curling up after installation.

Work out of multiple boxes. For optimal results, mixing cartons and staggering the boards creates a random, natural shade effect.

Pressure sensitive adhesion is required for areas where heavy items such as furniture or refrigeration are expected to move after installation.

All thresholds or openings need to be fixed with a 10cm strip of pressure sensitive adhesive.

Materials required

- *Utility knife*
- *Tape measure*
- *Double sided tape (eg Bear) or pressure sensitive adhesive (eg Ardex AF 143)*
- *Grout system (eg Ardex FG 8)*
- *Floor levelling compound (eg Ardex K12)*

Ardex products are available Australia wide through Mitre 10 stores.

Direction of laying

Ideally, the floor should be installed parallel to the longest wall. In a square room, the natural light source should fall along the length of the boards. When installing over existing timber boards, the new floor should be laid at 90 degrees to the existing floorboards.

Installation options

Areas less than 4m

Ornato LVT can be installed as a looselay system in areas that are less than 4m. The tiles must be fitted tightly to the wall and together. Check that the edges of the room are solid, if not apply a 10cm strip of pressure sensitive adhesive to the subfloor to fix the planks in these areas. All thresholds or openings need to be fixed with a 10cm strip of pressure sensitive adhesive.

Areas greater than 4m

Areas that have a wall greater than 4m, require a 10cm strip of pressure sensitive adhesive to the subfloor, around the full perimeter of the room and at 4m distances parallel to each perimeter wall, thus covering the floor in a grid. Lay the tiles tightly across the room to wall and together. All thresholds or openings need to be fixed with a 10cm strip of pressure sensitive adhesive.

Commercial high traffic areas or high temperature areas

Areas with expected high foot traffic or high changes in temperature, need full coverage of the pressure sensitive adhesive applied to the whole floor. All thresholds or openings need to be fixed with a 10cm strip of pressure sensitive adhesive.

Completing the installation

Immediately remove any excess glue on the surface with warm soapy water before it dries and follow the manufacturer's instructions.

Cover the floor to protect it from potential damage from final building works.

Be careful when moving heavy items on the floor to prevent the surface from damage and scratches.

Window coverings are recommended to protect the floor from fading due to exposure from direct sunlight.