

EXPONA SIMPLAY DESIGN INSTALLATION PROCEDURE

Expona Simplay Design LVT is a 5mm thick Loose Lay resilient vinyl flooring which has a raised non-skid grey backing to improve friction between the plank/tile and sub-floor, thus reducing lateral movement when walked on. The product has a 0.7mm transparent wear layer and also incorporates a glass fibre layer to minimize dimensional instabilities. The product comes in both plank and tile formats.

CONDITIONING

All boxes to be taken onsite 24 hours prior to installation and stacked no more than 5 high. To achieve conditioning Loose Lay shall be stored on site in an ambient room temperature ideally between 15°C to 24°C for 24 hours before installation. The ambient temperature range shall be maintained during installation and for 24 hours after completion. The substrate shall not be exposed to direct sunlight for the period 24 hours prior to installation, during installation and 24 hours after installation. This may require blocking out the windows in order to prevent thermally induced dimensional changes of the product.

Although Expona Simplay Design LVT flooring has a fiberglass inter-layer and is generally quite stable. These recommendations should always be followed with regards to conditioning and allow for the impact of climatic changes. In some instances re-trimming of floorings around the perimeter may be required at a later date once the floorings have relaxed after installation.

SUBFLOOR PREPARATION

Subfloors must conform to NZS/AS 1884-2013 (New Zealand Standard for the Installation of Resilient Floorcoverings). The surface of a subfloor shall be thoroughly checked for the following:

- (a) *Planeness- when a straightedge 3000 mm long is placed at rest at two points 3000 mm apart on the Surface, no part of the surface shall be more than 3 mm below the straightedge.*
- (b) *Smoothness-when a straightedge 2000 mm long is placed at any position at rest at two points on the surface, no part of the surface shall be below the straightedge*
- (c) *Soundness- the surface shall be without cracks, crazing, dusting, rain damage, spalling, efflorescence or blistering.*

Expona Simplay Design LVT flooring can be laid on the majority of sub -floors and substrates. Including, concrete, screed bases, quarry and ceramic tiles, timber substrates, existing resilient sheet vinyl and vinyl tiles, metal and poured floors. This is providing that they are structurally sound, without cracks and meet NZS/AS 1884-2013. Any grout lines or joints should be levelled to avoid eventual shadowing.

SETOUT

The direction should be confirmed and the installation should be balanced from the centre of the area to minimize waste. Ensure the colour corresponds to those ordered, quantities are correct and the product is from one batch. Do not mix batches in the same area. For tiles the starting point shall be marked out at a perpendicular axis adjacent to the longest straight wall. Installations containing connecting areas and link-ups may require a number of perpendicular axes. For planks the starting point shall be marked out at a perpendicular line adjacent to the longest straight wall.

INSTALLATION

The decoration of tiles and planks is randomly distributed and can be heavier on some tiles than others. To prevent heavy and light colour shading areas, the tiles should be unboxed and, if required, shuffled. Alternating the direction of tiles may be required to avoid repeat patterns. Loose lay installation is a method (*installation* with a minimal use of adhesive or double sided tape for a product specifically designed for this procedure. It can be installed using one or a combination of the following methods depending on the environment and use for the area in which it is to be installed.

Glue free: *In general areas without high traffic Expona Simplay Design LVT tile and planks can be installed in the interior of any building without the use of adhesive or tape providing the substrate conforms to NZS/AS 1884-2013. The use double sided tape to secure the first two rows is recommended. Ensuring a tight installation and not allowing the planks to creep or move until the room is completed.*

Grid stick: *In high traffic and large areas use Kiesel Star 150 pressure sensitive adhesive. Troweled in a grid every 1000mm in both directions as well as the perimeter, then allow to fully tack off ahead of installation. Alternatively Tenacious Tapes double sided acrylic reinforced tape or an approved double sided tape installed on a 45 •@ 500mm center's*

Stick down: *In extreme high traffic areas such as entrances and commercial high foot traffic areas or areas exposed to thermal fluctuation i.e. north facing windows use full spread with Kiesel Star 150 pressure sensitive adhesive. Allow to fully tack off ahead of installation.*

- Check backing to ensure there isn't any damage which may prevent the product from lying flat.

- When installing, the centre line must be determined and checked to ensure good size cuts will be fitted to the perimeter. Planks should be staggered to obtain a random finish; it is advisable to ensure that plank ends are not within 150mm of adjacent planks.

- Lay a row of Expona Simplay Design LVT, starting in a corner on a perpendicular line to the centre points. If this cannot be achieved the use of an approved adhesive or double sided tape is recommended.

- Work away from the newly laid floor and keep foot traffic to a minimum in order to minimize movement until flooring is locked in.

- The Expona Simplay Design LVT should be closely fitted and cut flush to any walls and fittings, score and mark the surface of the Expona Simplay Design LVT with a sharp knife from the face side, reverse cut the plank or tile from the underside to approximately 45°.

- It is recommended staggering the joints with planks, however you can make patterns to suit the clients taste. Tiles can be grid or brick pattern.

- When fitting around irregular objects use heavy paper to make a pattern to ensure a tight fit. Place the paper on the plank or tile to trace and cut.

- When installing at the entrance to a door or areas with high rolling loads, the use of an approved double sided tape or adhesive to avoid movement is recommended.

- The maximum area that can be installed without an expansion joint is 10m x10m

All exposed edges of resilient floor coverings or edges abutting other floor covering materials shall be protected by means of diminishing strips or other suitable moldings or trims. When the installation is completed all scrap material and debris shall be removed from the floor and the floor shall be swept or suction cleaned to remove all dust and debris.

The use of double sided tape or adhesive at joints and doorways for securing high traffic areas and perimeters of Expona Simplay Design LVT is recommended.

Expona Simplay Design LVT should be allowed to relax for 24 hours before locating furniture and fittings on top of the floor covering. Heavy furniture should never be dragged over any loose-lay installation and care shall be taken when wheeling heavy loads over this type of installation as it may result in damage. In some instances where Expona Simplay Design LVT will be in contact with abnormal loads, i.e. pianos and special purpose beds or chairs etc, where the castor wheels are less than 50mm in diameter, or where castor wheels are not able to properly disperse the load sufficiently, the use of an approved adhesive may be required to meet these unique circumstances. Please contact your retail supplier for further information. Expona Simplay Design LVT is water resistant and will withstand standing water. However this does not mean that it is designed to be submerged under water for extended periods of time.

POST INSTALLATION & MAINTENANCE

After installation use a brush, dry cloth or vacuum cleaner for cleaning. Where water/cleaning fluid is required, ensure the minimum is used. Again use window coverings to protect the floor from heat and fading under direct sunlight. Dramatic temperature change of the flooring could cause joints to lip or gaps to occur.

When the installation is complete then:

Ensure installation waste is removed from the surface of the floor. Mop, sweep or vacuum to remove dust and grit. Then damp mop with a neutral cleanser.

Daily

Mop, sweep or vacuum to remove loose dirt and dust.

As required, spot clean with a neutral cleanser to remove stubborn marks.

Weekly / Monthly

As required, clean the floor using neutral cleanser (pH 7 to 9), using a microfiber mop. If a rotary scrubber is used there is the possibility that some of the 'Loose Lay' product may be disturbed. Especially if too much liquid has been used – use an absolute minimum to prevent liquid penetrating into the seams and joints.

The maintenance regime requires the installation of an effective barrier matting system. Cleaners and polishes should be used as per the manufacturer's instructions. Follow H&S guidance.