

General Instructions for MiPlank & Simplay Planks & Tiles - Market distributors & installation-New Zealand.

The information provided is for the MiPlank & Simplay Planks & Tiles from Polyflor New Zealand, we suggest & recommend that the purchaser use a professional and qualified installer in order to obtain the best results.

We recommend that the purchaser check the colour, pattern and design are correct before installation, Polyflor NZ can provide images or samples upon request showing the colour, pattern & design or they can be viewed on our website www.polyflor.co.nz.

Consideration should also be taken into account for the following.

- Discolouration and or fading caused by UV Sunlight- Polyflor NZ recommends that MiPlank & Simplay products placed into a North facing situation, or subject to UV sunlight will require the following.
 - Window tinting (UV inhibitors)
 - Curtains, blinds, awnings,
 - External Eaves

It is the responsibility of the retail market distributor to inform the client that if placed in a North facing situation (or similar) and no adequate UV protection is in place then the product will fade, and discolouration will occur. Our recommendation is for a product which will not fade or discolour be placed in the area.

- Placement of the Miplanks or Simplay products into high traffic or areas which may be subject to heavy focused loads.
- Placement of rubber or latex back mats onto MiPlank and/or Simplay products.

Storage

The MiPlank & Simplay Planks & Tiles must be stored indoors and protected from the weather. The storage area must be dry and free from direct sunlight with an ambient temperature between 15 and 30°C. To avoid the MiPlank & Simplay becoming contaminated, ensure that the storage area is free of any contamination or pollution & take care to avoid rough handling.

Visual inspection

Before installation, always check that the product is the one you ordered in terms of specification, design, and colour. At the same time carefully inspect the material for any visible damages and defects. Although our ranges are inspected before leaving the factory, it can happen that defects are not detected. In such case, contact Polyflor NZ for assistance.

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 & MiPlank 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 & MiPlank flooring can be laid on the majority of subfloors 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.

Any particles that could compromise the quality of bonding with the adhesive must be removed and it is essential that the subfloor is dry as dampness can cause discolouration to the flooring.

The humidity of the subfloor must meet the standard technical requirements valid in New Zealand where the flooring is to be installed. If in doubt, take a hygrometer reading to check the level of dampness. A maximum hygrometer reading of 75% RH is recommended.

Polyflor New Zealand recommends Kiesel Moisture barriers, Kiesel patching & Self-levelling and Kiesel Adhesives along with Polyflor NZ plywood and or any products which conform to the EC1 label.

These products have been tested for compatibility and performance with MiPlank and Simplay products, and in addition the warranties for the system are held by Polyflor NZ.

Kiesel Primers & Moisture barriers

- Okatmos EG20 primer
- Okatmos UG30 primer
- Okapox GF Epoxy primer & moisture barrier
- Okamos DSG primer & moisture barrier

Kiesel Floor levellers

- Servofine F333 patching, ramping & smoothing
- Servoplan R300s patching & ramping
- Servoplan BF850 bulk fill & levelling compound
- Servoplan Ki1 premium self-levelling compound
- Servoplan P200 plus self-levelling compound
- Servoplan S444 fibre reinforced levelling compound

Kiesel Adhesives

- Okatmos Star 100
- Okatmos Star 100 plus
- Okatmos star 110
- Okatmos Star 150 pressure sensitive
- Okamul PU Polyurethane resin adhesives

**Please contact Polyflor NZ for more information or view our web site details www.polyflor.co.nz/kiesel/

Concrete floors

Concrete floors will need to be checked for moisture as per NZS/ AS 1884-2013 standards, should a reading higher than 75% (+5) RH be recorded then a surface DPM (moisture barrier) or similar must be used.

Use a levelling compound if the surface is uneven, rough, or cracked. It is usual to apply 3-6mm of levelling compound to produce the desired level of smoothness. Concrete floors should always be tested for high or low PH levels and must be in the range of 7-9.

Floor boarded timber structural floors

Tongue & Groove

When organizing or planning for Tongue & Groove then the 5 key areas listed below will need to be applied per NZS/ AS 1884-2013 standards & best practice guidelines NZ flooring industry 2019.

The timber floor will need to be Clean, Sound, Flat (Plane), Smooth & Dry

Structural sheet floors (particleboard, strandboard or plywood)

Best practice techniques to prepare structural sheet boards for resilient floor coverings recommend that an approved board underlayment (minimum 4.75mm) or a cementitious reinforced fibre type be applied with a minimum 3mm.

Wet areas

The building code (E3 internal moisture) identifies a bathroom, laundry, toilet or a kitchen (areas with taps) as wet area where moisture may accumulate or be generated.

Any board underlayment with timber content is affected by moisture or changes in climatic conditions.

When used in areas of humidity or bathroom areas, only recommended flooring grade board underlayment for these areas should be used. There are steps needed to be taken as part of the installation process to provide the board underlayment with protection from any water splash and/or accidental water overflow.

MiPlank & Simplay Planks & Tiles are not recommended for areas which receive constant water flow ie wet floor shower areas

Installation

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 and 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 linkups 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.

When installing always follow current standards NZS/ AS 1884-2013 and best practices for resilient floor coverings NZ.

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 & Miplank 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 45deg

- @ 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 & Miplanks 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 & MiPlank products are 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.

General notes

- Acclimatise the product 24 hours prior to installation.
- Maintain an ambient room temperature between 15-24 degrees in the room which will have the installed product. Windows, doors, ranch sliders will need to be covered before, during and after installation (24 hours prior & 24 hours post installation)
- Random Shuffling of the tiles/ planks will help vary the patterns/ grains and it will avoid blocks of similar colour.
- Under floor heating will need to will need to be fully tested prior to installation and should be switched of 48 hours to installation, a maximum 27 degrees once fully installed and specialised adhesives will need ie 2 part epoxys will need to be used in high heat or sunlight areas.
- The optimum appearance can be produced by dry cutting to determine if the pattern is acceptable.
- Always start at the centre of the room and before adhering check that the overall appearance for the flooring is acceptable.
- If the room is irregular, it may be necessary to square up off the most important wall or specific feature.
- Always ensure that the correct adhesives are used and they are EMICODE1 compliant.

For detailed instructions on installation of these ranges please click on the following link
[Installation instructions for Polyflor LVTs](#)

Should you require further information regarding the above general instructions please contact Polyflor New Zealand on 0800 765 935, via our website www.polyflor.co.nz.

Reference material

- New Zealand Floor covering standards NZS AS 1884-2013
- Best practices resilient floor coverings 2019
- Polyflor New Zealand