

## Installation

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### Ideal uses

Tierdrylay is typically used in commercial and retail applications where the subfloor is of a metallic nature. Normally the industry standard 'raised access floor' is where Tierdrylay is best suited to lay. Spaces such as leisure, shopping, exhibition and education are all sectors where raised access floors are used, and Tierdrylay is the best option.

### Installation guide

All new access floors should be installed to SR1 standard. Pedestals must be adjusted and levelled to eliminate any rocking or lipping of the raised access panel. The locking nut on the pedestal should be utilised to avoid any opportunity of the pedestal moving during its lifespan. Where possible, the access panels should be fixed to the pedestal. If this is not possible as with some brands, SR1 standard must be achieved. See our 'Tier tips' in our full Installation and maintenance guidelines to ensure a perfect installation.

The subfloor should be swept, and cleaned of any impurities that will prevent a full and clean contact between the magnetic underside of Tierdrylay and its metallic counterpart.

Refer to the technical data sheet for the ideal climatic conditions for using Tierdrylay. It is always ideal to allow a new consignment of flooring to climatise to the site conditions prior to laying. Drastic changes in temperature are counterproductive to timber flooring of any kind, thus maintain the conditions advised in the data sheets.

Tierdrylay is an internal product. Ensure the building is secure and weatherproof prior to laying.

Using self-adhesive Tierfoam 100-098/104 (expanded polyethylene foam tape), apply the correct dimension, depending on your flooring, to the perimeter of the room.

Commence laying the Tierdrylay in a brick pattern according to the preferred direction in the room. Commence by placing the angled edge of the board against the Tierfoam. As the next line is put in place, push the angled edge in tight against the seal of the first board creating an airtight seal. Continue in your brick pattern throughout the room, not leaving any overlap less than 200mm. This will assist in keeping long runs very straight.

Take time to make sure your runs are straight with a string line. Use a hammer and long wooden block to adjust the boards seat, light taps will move the board even when fully magnetised. Ensure there are no gaps between boards.

As per the data sheets, if your span is more than 15m wide, use either an 8mm expansion joint of a silicone nature, or order a bespoke metallic expansion cover strip.

When Herringbone format is installed, there is a locational knuckle joint to assist in keeping a tight pattern. Use a pair of hatch boards that will be marked with a brass or stainless stud periodically, or where access maybe needed in the future. These lift out first in order to remove the boards around them for access. One of our team will happily visit your installers to demonstrate if need be.

### Removal guidelines

Tierdrylay can be removed easily from anywhere within your floor. Use a Tiertool suction device to raise the floor at an end joint. Continue removing as required. When replacing, take care to lock in the ends as the boards drop back in to position. A slight twisting motion is required to ensure the seal is located under the lip of the adjacent board.

When herringbone format is used, care is required. Locate the hatch boards (as mentioned in installation guidelines) A combination of the suction tool and some thin gauge stainless steel spatulas will be needed. Lift the hatch boards out of their location, and the next boards will lift out easily with the use of the tools. The reverse is required when replacing after required access is achieved.

Always take care using metal tooling with wood as slips can result in chips and scratches.

### Expansion joints

#### *Perimeters*

Use Tierfoam single sided foam tape. Available in different widths to suit your floor thickness, Tierfoam is a Neoprene expanded foam tape that adheres to the upright edge of any floor. Tier foam allows for expansion, and combines as a dust trap prevention.

#### *Mid floor*

Tierdrylay wood flooring requires an 8mm silicone expansion joint to be fitted every 15m on the width. Use an 8mm packer whilst laying the floor for stability, remove, and mask each edge surface either side of prospective joint with a low tack masking tape. Use a colour matched silicone for the joint.

#### *Metal cover strips*

It is possible to use metal cover strip profiles for expansion joints. There are a selection of finishes and sizes, dependent on your flooring thickness. These will operate mid floor, and the perimeter where a skirting board cannot mask the foam expansion joint.

*NB* Wood is a natural product and will move. A benefit with the Tierdrylay system is that you can reposition the boards if shrinkage occurs. This is not an option on bonded floors.

## Maintenance

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### Maintenance guide

#### *Cleaning and maintaining*

- The oak wear layer of Tierdrylay wood flooring is a natural product and it can change in appearance over its life. These changes come in the main by way of general traffic, and variance of light exposure. It is important therefore to maintain your new floor to ensure a lasting brilliance during its use.
- When cleaning Tierdrylay wood flooring, follow the guidelines below to keep our UV oil finishes pristine.

#### *Floor performance*

- To get the best performance from your Tierdrylay floor, keep a regular inspection pattern of one month. These inspections will determine the regularity with which you will need to use Tiercleancare cleaning solution. Keep a record of these inspection and the results.

#### *Usage patterns*

Your Tierdrylay floor will need a different maintenance programme depending on usage:

**Little:** i.e. low traffic areas.

Use Tiercleancare on a weekly basis, manually, use Tier Maintenance Oil annually

**Occasional:** i.e. conference rooms

Use Tiercleancare on a bi weekly basis, with an industry standard machine, use Tier Maintenance Oil semi-annually

**Daily:** i.e. office space

Use Tiercleancare on a Tri weekly basis, with an industry standard machine, use Tier Maintenance Oil Quarterly

**Heavy:** i.e. Thoroughfares, corridors, reception areas.

Use Tiercleancare on a daily basis, with an industry standard machine, use Tier Maintenance Oil monthly

#### *Manual directions*

- Use Tiercleancare concentrate, and dilute as per the measurements on the bottle with warm water. Apply to a clean cotton mop for best results.  
**Important:** Before applying to the timber surface, wring out mop head so it is damp, not soaked. The floor surface should never be more than damp whilst cleaning, standing or flowing water over the surface may cause damage to the product.
- Dry the surface after cleaning, before use. Adhere to your office or site area protocols in connection with hazard signs requirement.

#### *Machine Directions*

- Use Tiercleancare concentrate, and dilute as per the measurements on the bottle with warm water. Apply with a soft buffing pad as recommended by your machine manufacturers guidelines.  
**Important:** The floor surface should never be more than damp whilst cleaning, standing or flowing water over the surface may cause damage to the product.
- Clean in the direction of the wood grain.
- Dry the surface after cleaning, before use. Adhere to your office or site area protocols in connection with hazard signs requirement.

#### *Periodical revival with Tier Maintenance Oil*

- Always clean the surface as per directions above in the first instance.
- Allow surface to dry completely, this can vary from 3-5 hrs depending on climate.
- Using a microfibre roller, apply Tier maintenance oil as per the guidelines on the chose variation of oil. Work the oil into the surface with an industry standard machine, and recommended soft pad.

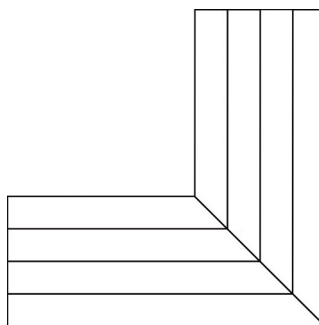
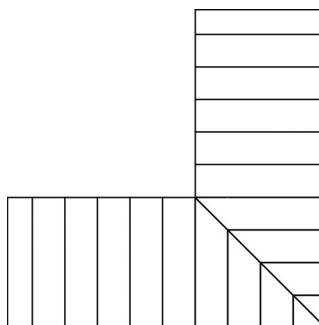
## Tiertips

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### Tiertips

- Sweep the floor regularly, to remove daily grit and dust that may scratch the floor surface when foot traffic passes over it.
- Use self-adhesive felt pads on the underside of chair legs and furniture.
- Use a plastic or carpet chair mat where castor desk chairs are in use.
- Use absorbent cloth to wipe up spillages immediately – remember never use soaking rags, wring out any mops when attending to spillages. Dry after.
- Tier Global maintenance products should be used to maintain the warranty (samples available).
- Refer to our technical data sheet for ideal climates for Tierdrylay floors. Allow floors to acclimatise before cleaning regime is started.
- If your floor is in a large space, segment the area and do a smaller area at a time.
- Should you find a board that has a such a bow in it that the magnetic base is struggling to hold it down, release the tension in the board by cutting a series of saw kerfs in the back of the board. Set a cross cut circular saw up to three quarters of the depth of the board, and saw across the reverse of the board. Cut enough saw kerfs until the tension in the board is released, and the board lies flat. There will be bowed boards in every delivery, wood is a natural product and moves in different conditions. This is perfectly natural and acceptable.
- Where at the end of a run, you may be left with a small infill piece, bond the end tongue or groove to the next board in, to avoid any slippage of small pieces of flooring. We would recommend you take every situation on its own merit, but look at ensuring this is applied where boards are certainly under 300mm in length. This will not affect their ability to be lifted in the future.
- We recommend product should be left on site to acclimatise for a minimum of one week.
- Being a natural product, wood flooring is susceptible to movement. Whilst we try to relieve the strain in the timber, some boards may still have enough strain in them to overpower the magnetic attraction, particularly on uneven, or second hand raised access flooring. In these instances it is acceptable to use a nail gun with a narrow 16 gauge pin to keep a board in place. The board will still easily lift if required. This tip applies to boards especially with a concave up strain where the ends may want to naturally lift, and as boards get wider, the cupping strain can also be restrained using this tip. Use a wax stick to fill the pin head hole if needed.

- When boards are laid in narrow widths eg: to frame a room with a carpet centre, it is important to recognise these must be either pinned, or bonded in place.
- Any dimension under 1100mm in a 'soldier course' or five boards in width in a conventional run does not have the body to keep itself in place.
- Where short board soldier courses are concerned, short board bowing could occur and the magnet may not be able to hold the board down.
- Where less than five board widths are concerned, they may wander.  
Solution: with short soldier courses, use a matching T&G and either pin or bond down.  
Solution: with five boards or less in straight runs, either pin or bond the board that adjoins the next floor finish.



### Tier Q&A

#### **Q Does the magnet on your product interfere with wi-fi signal or medical devices such as hearing aids, or pacemakers etc.**

A No, the reading required to measure this is called a Gauss reading. There is negligible background Gauss readings in a room with magnetic flooring, typically less than 150µT (micro teslas), and certainly far below the level of 500µT, above which there can start to be interference with hearing aids, and other electronic medical devices

#### **Q Will Tierdrylay move when laid?**

A When Tierdry lay is installed correctly by an approved installer, it will remain in position. There is a pull force of 38 grams per cm<sup>2</sup> from the magnetic surface to the subfloor. It is important to have clean, level, dirt and grit free surfaces to lay on. This will ensure the best results.

#### **Q Can I have bespoke patterns and boards?**

A Tier Global is working on bringing other patterns to the market. Currently there are two thicknesses of board, in varying widths. Email us your particular enquiry, and let us help you find the best solution to your specification.

#### **Q Can I re-sand and polish Tierdrylay.**

A Yes you can, depending on the product there is 3-5mm of wear layer enabling resurfacing a number of times. As Tierdrylay is a floor you can take up, the floor can be taken off site to be refinished, thus eliminating any dust, or toxic fumes when re-finishing.

#### **Q How do I clean it?**

A Refer to the maintenance guidelines, however start with simple soft brush or dust mop to remove loose dirt and grit from general foot traffic.

**If there is any doubt with any of the Tier Global directions or guidelines, contact our office on +44 (0) 300 124 0987 for further assistance.**