

ARMSTRONG FLOORING – FITNICE[®] FLOOR TILES

Installation Instructions

Installation:	Conform to AS 1884 – 2012
Types of subfloors:	Concrete – timber
Installation system:	Full spread adhesive
Adhesives:	Armstrong LVT-100
Trowel size:	Steel notched trowel V1 1.6mm x 1.6mm x 1.6mm
Roller:	Short nap 5/6mm To minimise adhesive bleed between tiles trowel adhesive to the floor then back roll with short nap roller. Allow the adhesive to tack of approximately 10 minutes. Place the tile into tacky but wet adhesive Roll immediately 45kg roller
Special precautions:	Do not scrub or wash floors for at least 48 hours after installation.
Recommendations:	Allow Fitnice to acclimatise to room Temperature (18oc to 28oc) Roll entire floor area with 45kg roller. Do not walk on the floor until 24 hours after installation. Do not allow heavy rolling loads for at least 72 hours after installation.

Where Armstrong Flooring Fitnice[®] tiles are installed in one-direction, Armstrong Flooring will not accept claims regarding the visual appearance of the tiles caused by this installation method. If a monolithic visual appearance is desired, we recommend installation of Fitnice(R) rolls.

Fitnice woven vinyl textile floor and wall products are manufactured in Spain by Vertisol International SRI and are exclusively distributed in Australia by Armstrong Flooring Pty Ltd.

INSTALLATION INSTRUCTIONS

Armstrong Flooring – Fitnice® Floor Tiles

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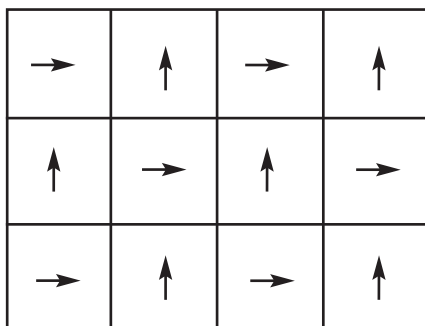
Presentation of Armstrong Flooring Fitnice® Floor TILES:

* “Standard Tiles”, permanent installation glued-down: 20 Tiles/box (50x50cm): 5m²

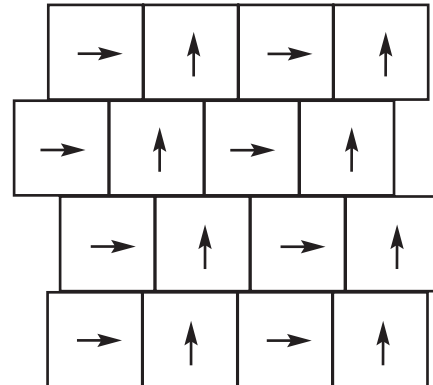
TO THE INSTALLER:

Please note that if material has been cut, fitted, or installed, NO ADJUSTMENTS or CLAIMS (if any) will be considered due to the failure to comply with any of the following. Before cutting and installing Armstrong floorcoverings make sure that you:

1. Check for obvious manufacturing defects in good daylight conditions.
2. Check that the material is the correct colour, pattern and quantity ordered by the customer.
3. Material should be allowed to acclimatise to job climatic conditions for 24 hours at 18°C. 28°C as per Australian Standard AS 1884 – 2012 Section 3 – 1.
4. Use only Armstrong recommended adhesive specifically formulated for Armstrong product.
5. All cartons of Armstrong Flooring Fitnice® products are marked with a ‘batch number’. When using more than one carton make sure the cartons have the same ‘batch number’.
6. Do not cut or install any damaged or defective material unless accepted, agreed and approved by all parties concerned.
7. To maintain Armstrong Flooring 15 year warranty against defects the Installer is required to fill out and submit the Installer’s Certificate found in the warranty document declaring which adhesives were used.
8. Fitnice® Tiles must be installed in checker-board/quarter-turn design. They are individually marked on the back side with an arrow showing the direction.



Square ¼ turn



Ashlar or brick pattern

1. PREPARATION OF THE SUBFLOOR

SUBFLOORS to conform to the Australian Standard AS 1884-2012 section 3 subfloors and underlays

A MOISTURE TEST SHOULD ALWAYS BE CARRIED OUT PRIOR TO INSTALLATION in accordance with the Australian standard 1884-2012 appendix A and B.

CONCRETE SUBFLOORS

Concrete subfloors must be cured and completely dry. The surface must be steel trowelled to a smooth dense and porous surface free of trowel marks, irregularities.

Concrete slabs in contact with fill, hard core or the ground must have a damp-proof membrane to prevent entry of moisture. Water proofing additives and curing compounds do not replace the damp-proof membrane. New slabs should dry for at least one day per millimetre of thickness. EG 125mm thick slab = 125 days to dry

Care must be taken to ensure that the surface of the concrete is free of parting or curing compounds, oil, grease, paint, dust and any other substances, which may prevent the adhesive from forming a secure bond.

When the concrete surface has a burnished finish, or curing compounds, hardeners, sealers, or parting compounds have been used, they have to be completely removed by diamond grinding or other mechanical means such as shot blasting or scabbling prior to the installation of materials, these surface treatments will impair the bond of the adhesive.

The surface of the concrete must be smooth and level, completely free of cracks, holes and protrusions. If the surface is not satisfactory it should be repaired and levelled with a cementitious underlay, applied according to the manufacturers recommendations.

TIMBER SUBFLOOR

DO NOT INSTALL ARMSTRONG FLOORING FITNICE® GLUED DIRECTLY OVER:

- Particle board e.g. yellow tongue
- Tongue and Groove strip timber sub-floors
- Hardwood flooring that has been installed directly over concrete

All timber subfloors must have at least 450mm of good cross ventilation under the floor to prevent distortion and movement of flooring members as well as excessive movement of underlay. New timber subfloors should

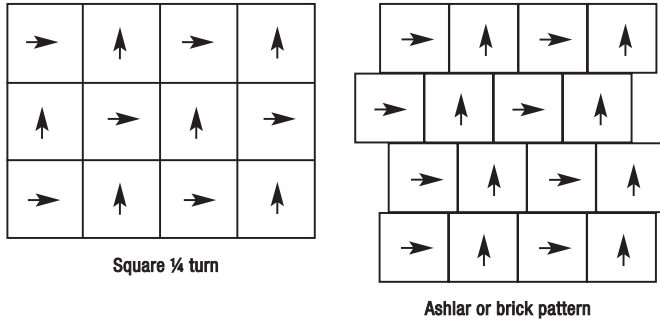
be rigid, sound and constructed of seasoned timber and free from excessive cupping and warping. Old timber subfloors should have all loose boards re-nailed and badly worn or damaged boards must be replaced.

Timber floors should be sanded to a level finish without undulations. Overlay subfloor with hardboard or approved fibrous cement vinyl flooring underlayment.

2. INSTALLATION OF TILES

As with all installations the set out is critical to achieving a good visual outcome.

Setting out for square or Ashlar installations



Start the set out by finding the centre line in the room dividing the room in two at each end over the longest length, as shown in figure 1, strike a chalk line

1. Set a line square to the center line using the 3, 4, 5 method,
2. Strike a chalk line as shown in figure 1.

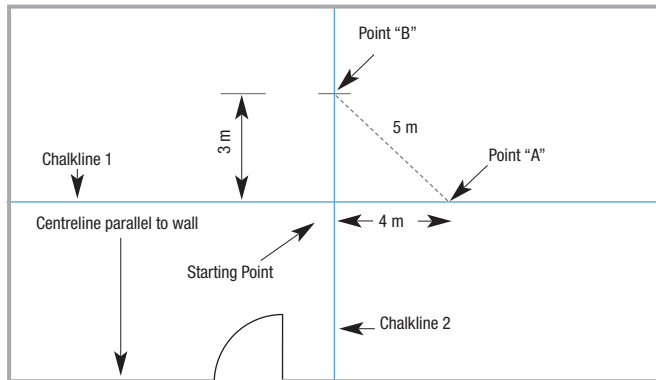
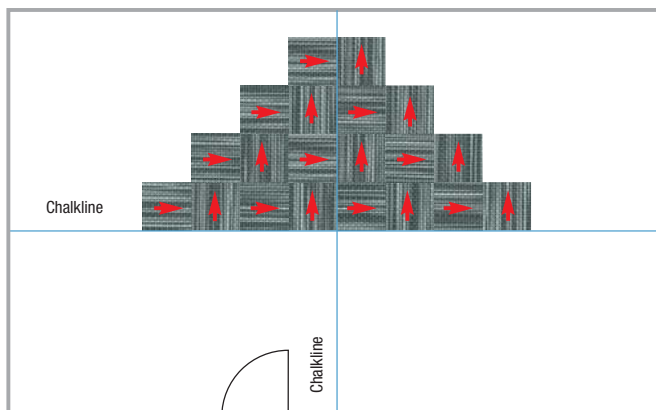


Figure 1

Make sure the cut tiles at the edges are a half tile or more. You may need to make adjustments and if necessary make the adjustments from the centre lines and strike fresh chalk lines to create your working lines.

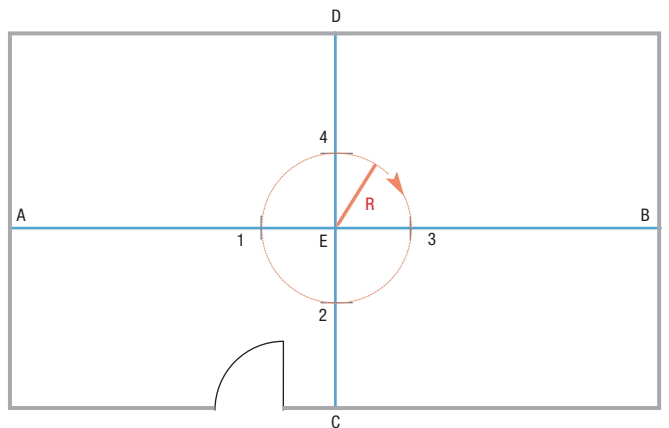
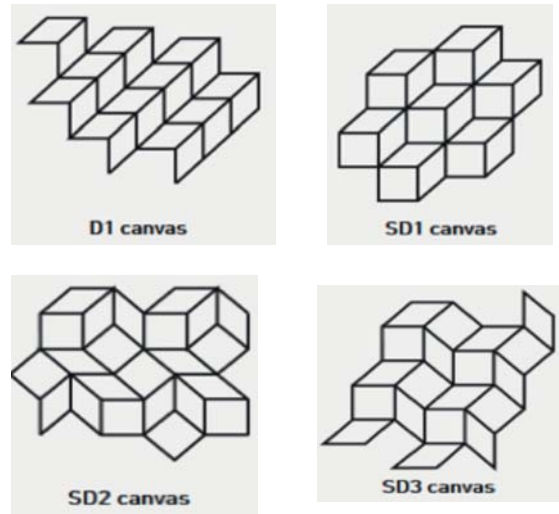
Start the installation from the centre point using a straight edge along the center line/ working line using the “pyramid” method

Figure 2. Starting position



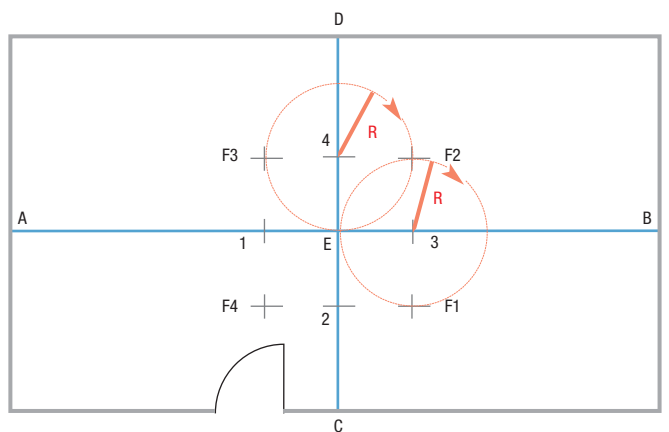
Setting out for design work

Setting out for the installation of canvas's D1, SD1, SD2, SD3, shown below, use the Diagonal set out procedure below, steps one to three. As with all installations the set out is critical to achieving a good visual outcome.



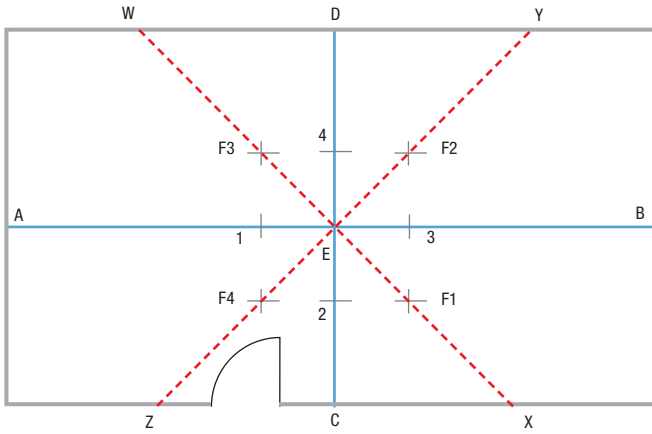
STEP ONE

With radius R, draw circle from centre E, and mark points 1, 2, 3, and 4.



STEP TWO

Using the same radius R, draw circles from centres 1, 2, 3, 4 and mark points at F1, F2, F3 and F4.

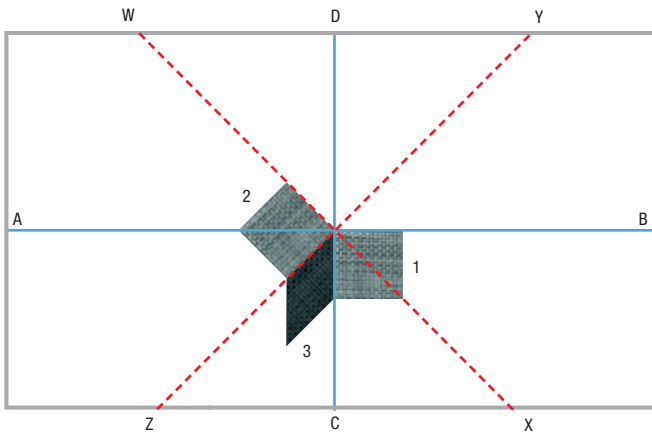


STEP THREE

Draw diagonals WX and YZ through points F1 and F3, and F2 and F4.

Step four

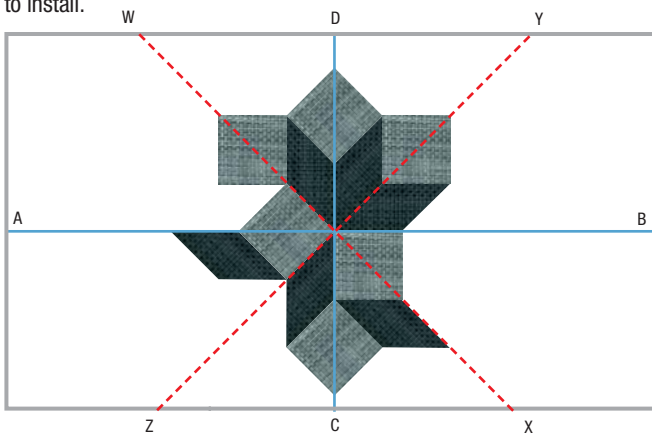
To make sure you achieve a balanced installation dry lay a row of tiles, check the finishing position of the tiles. You may need to make adjustments, if necessary make the adjustments from the centre lines and strike fresh chalk lines to create your new working lines.



STEP FOUR

Step five

Continue to place square and diamond tiles on Red and blue diagonals, when you are happy that the border cuts are in balance You are now ready to install.



STEP FIVE

Adhesive Application:

It is recommended that the Application of the LVT 100 adhesive is as follows.

Only spread an area you can install in 20 minutes.

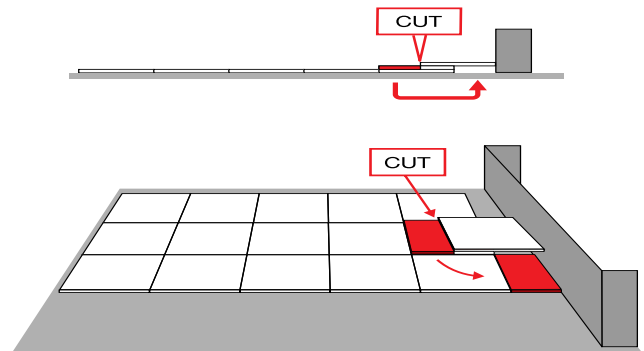
1. Trowel on the adhesive using S891 Notched trowel or a V1 trowel
2. Use a short nap paint roller to prepare adhesive for installation of tiles. Pre wet the roller with adhesive, then back roll the adhesive to even out the trowel marks leaving an even film of adhesive. This will minimize the adhesive bleed at the tile joints and shorten the tack up time
3. Allow adhesive to tack off (approx. 10 minutes depending on conditions)
4. Place tiles into wet tacky adhesive
5. Remove any adhesive bleed immediately with soft clean rag wet with clean water and a neutral cleaner eg: Armstrong Once and done
6. Roll every seam of the Tiles using the Small Pressing Roller (see picture).



Roll each installed section immediately with a 45kg roller in both directions.

After the field tiles have been installed, proceed to install the tiles around the perimeter, mark and cut the tiles using the tile on tile method.

- Place the Tile to-be-cut onto the last Tile installed (Figure 3).
- Place a third Tile, as Reference, touching the Wall.
- Mark with a knife the Tile to-be-cut along the side of the Reference Tile.
- Make a Clean Cut of said Tile (in red,) and install into place.



Once the installation has been finished and the area cleaned of debris, off cuts and any excess adhesive, and to strengthen the adhesive bond roll the floor for a second time in both directions using a 45Kg. Roller (see picture) starting from the center towards the perimeter. In bigger projects with more rooms, roll the second time after the Installation of each room is finished.



3. INITIAL PROTECTION

Once the installation is finished, it is recommended not to walk on until the adhesive/glue has dried properly. The timings suggested are:

- 24 hours after the installation is finished, for any foot traffic.
- 48 hours after the installation is finished, to move or place any furniture.
- Use a hard board underlay over the tiles to protect the surface from damage when moving furniture.

IMPORTANT: Do not drag any heavy items on Armstrong Flooring Fitnice®, as this may cause irreversible damage.

Armstrong Flooring highly recommends the installed floorcovering be protected from construction site debris, dirt, soil, traffic and stains, all of which can damage the unprotected flooring. Armstrong recommends the use of Armstrong Topgard loose laid over the floorcovering. The floorcovering must be clean, free of all debris and must be dry. Do not tape the Topgard to the surface of the floorcovering.

Responsibility for the protection of the finished work until handed over to the client should be arranged prior to installation.

4. INITIAL MAINTENANCE

Before you start using Armstrong Flooring Fitnice®, it is necessary to remove any dust or alike resulting from the construction site (sand, concrete or aggressive particles). Vacuum the floor, then clean the floor with warm water and Armstrong once and done (Armstrong recommend the use of the Rotowash scrubbing machines or similar).

Once the surface has been cleaned, cover and protect Armstrong flooring Fitnice® to prevent stains during other construction works.

The best option, whenever possible, is to install Armstrong Flooring Fitnice® once the other trade construction work on the site have been finished.

IMPORTANT:

The Boxes with Armstrong Flooring Fitnice® Tiles must always Lay FLAT that means horizontal, NOT vertical.

- Armstrong Flooring Fitnice® is a textile product with a textured structure, not regular or plain, that may present optical variations in colour.
- Tiles from the same Batch shall be installed in the same area. It is recommended to mix the Tiles from different boxes during the installation.
- Armstrong Flooring Fitnice® does not accept returns of material which has been installed.
- To Install Armstrong Flooring Fitnice® in Shapes “Plank” or “Diamond”, follow this Installation Manual.
- The Shape “Diamond” may not be used in Raised Floor.
- Double-Sided Tapes may not be used to replace Glues or Adhesives recommended by Armstrong Flooring for Fitnice®

Glues/Adhesives Recommended for Armstrong Flooring Fitnice®

“Standard Tile”, to be glued down

Armstrong LVT-100

- Full spread, tiles, sheets, planks & diamonds

Armstrong SC-100 contact adhesive

- Trims, accessories & transitions

ARMSTRONG FLOORING PTY LTD

**FLOORCOVERINGS, ADHESIVES & ACCESSORIES IMPORTED OR MANUFACTURED IN AUSTRALIA AFTER 1st JANUARY 1984,
DO NOT CONTAIN ASBESTOS**



WARNING

Vinyl flooring and adhesives manufactured in Australia prior to 1st January, 1984 may contain asbestos.

Do not sand, dry sweep, dry scrape, drill, saw, beadblast, or mechanically chip or pulverise existing resilient flooring, backing, lining felt or asphaltic ‘cut-back’ adhesives.

These products may contain either **asbestos fibres** or **crystalline silica**.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Unless positively certain that the product to be removed is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content.

Where do I go to find out more about asbestos?

Asbestos Awareness www.asbestosawareness.com.au – provides information

on a state by state basis about the dangers of asbestos, asbestos removal, who to contact and other important information.

NOTE: Vinyl flooring manufactured in Australia after January 1, 1984, **DOES NOT** contain asbestos. However, regulations, codes and directives as to the best method of handling asbestos do exist and it is the obligation of the installer to ensure that practices used are safe, without risk to health, and meet all legal requirements.

Disclaimer—Asbestos issues

The warnings and guidance contained in these instructions in relation to the potential for asbestos in floorcovering materials are given in good faith. However, regulations, codes and directives as to the best method of handling asbestos are under continual revision. It is the obligation of the installer to ensure that practices used are safe, without risk to health, and meet all legal requirements.

Armstrong Flooring Pty Ltd accepts no liability for any loss, costs, expense or injury, however incurred, arising from the presence of any asbestos in any floorcovering materials or asphaltic ‘cut-back’ adhesives and/or any reliance placed upon the procedures and recommended practices contained in these instructions.

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