

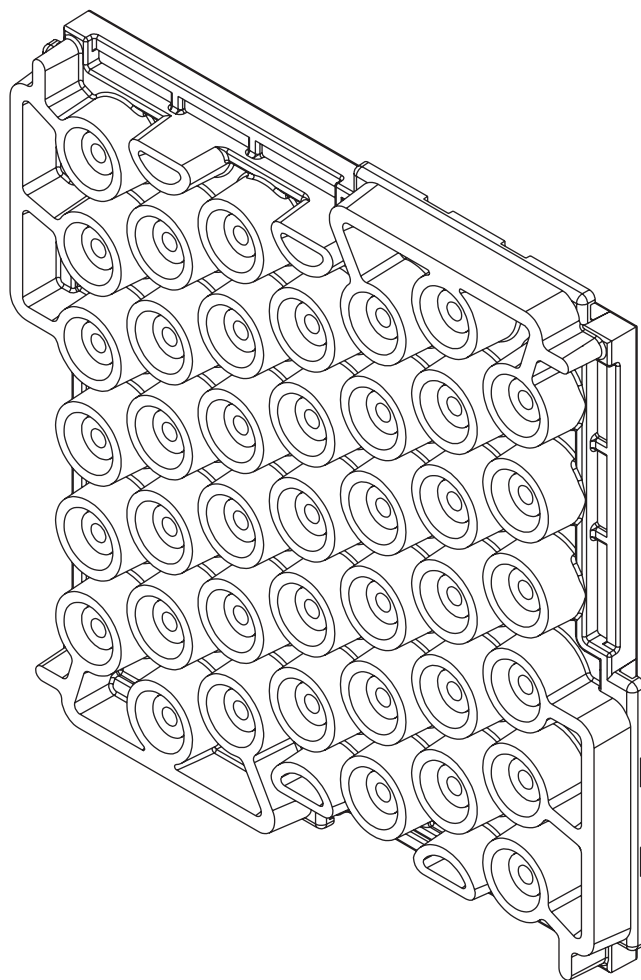


It's not magic, it's engineering.®

Impact Sound Control

GENIEMAT[®] FIT70

Sound Control Flooring for Fitness Areas



TECHNICAL INSTALLATION MANUAL

GENIEMAT® FIT70

Sound Control Flooring for Fitness Areas

INSTALLATION GUIDE

Introduction

Pliteq **GenieMat FIT70** tiles have an under-the-surface interlocking, compression fit. Installing the **GenieMat FIT70** system requires a specific procedure which is outlined in this document. Failure to install the **GenieMat FIT70** tiles in accordance with this document will result in a voided system warranty.

General Method

Each **GenieMat FIT70** tile is manufactured to a nominal dimension of 610mm x 610mm. Each tile is compressed down by 3mm in both directions to a final installed dimension of 607mm x 607mm. It is highly unlikely that the space/area in which the tiles are being installed is square with straight

walls. The diagrams provided in this document are square but the overall method can be applied to any room of any size, dimension and layout. Over long distances, 3mm of compression per tile can add up to unmanageable amounts. The idea of this installation procedure is to break up the longer distances into smaller, more manageable grids.

Equipment Required

- Straight edge (1200mm minimum)
- Chalk lines
- Laser line with 90° floor capability
- 3-5kg sledgehammer
- Carpet knee kicker
- 1.5mm square notch trowel
- Utility knife with extra blades

STEP 1

- Determine overall dimensions of the room.
 - It is most visually appealing to have full tiles at the main entrance of the room and to have cut tiles at the opposite end of the room, wherever possible.
- Make sure grid lines are square by using either a laser line or measuring a 3.6m, 4.9m, 6.1m triangle as shown in **Fig. 1**.
- Gridline spacing should be no more than 7 tiles, preferably 5.

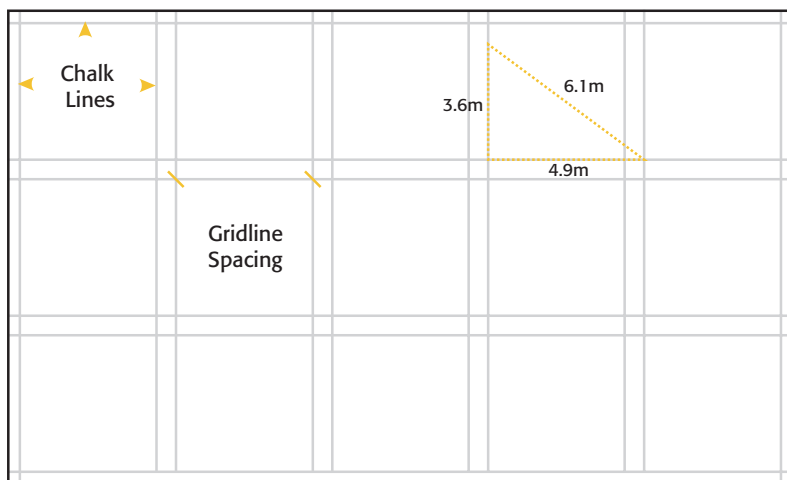


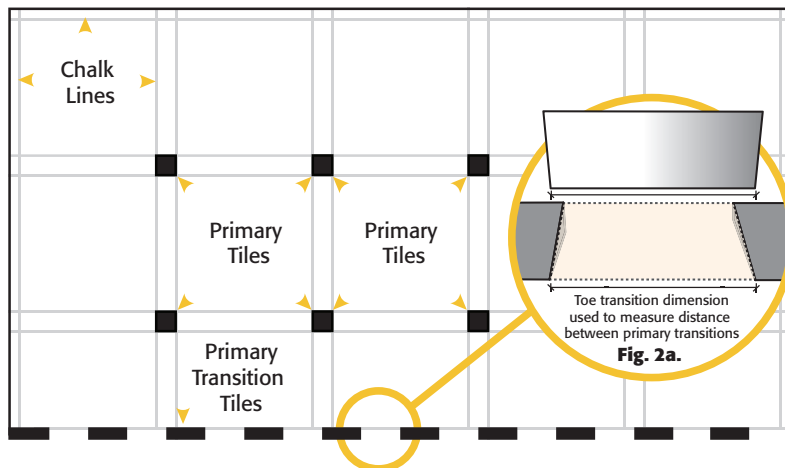
Figure 1

Important notes:

- Avoid cutting tiles to less than 250mm in width wherever possible
- This can be avoided by cutting tiles equally on either side of the room instead of just one side
- Suggested chalk line spacing is maximum of 7 tiles

STEP 2

- i. Install primary tiles at all chalk line grid intersections.
 - These tiles are adhered to the subfloor by troweling out an 460mm x 460mm amount of adhesive in the middle of the tile. Do not adhere the full area (607mm x 607mm).
- ii. Install primary transition tiles.
 - Backbutter transition tiles to guarantee 100% adhesion to the subfloor.
- iii. Wait for glue to cure (4 - 5 hours) before moving on in the installation procedure.



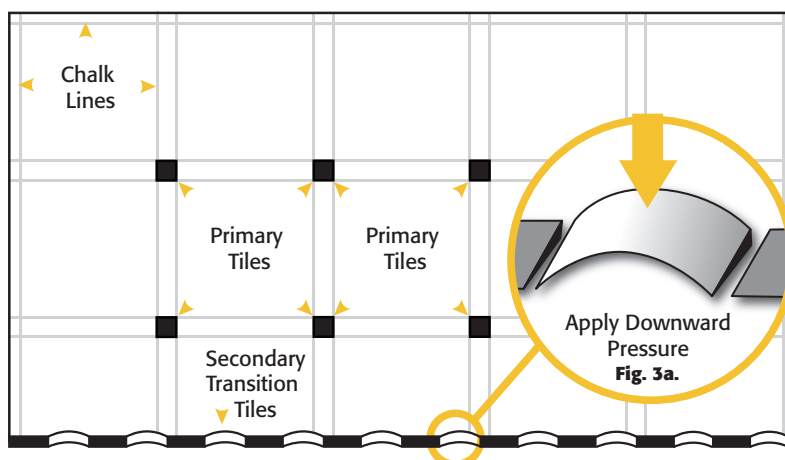
Important notes:

- Transitions must be installed in this manner as gaps will appear between adjacent transition tiles
- While glue is curing, time is well spent cutting perimeter tiles
- Distance between primary transition toes equal to length of transition toe (Fig. 2a.)

Figure 2

STEP 3

- i. Install secondary transition tiles.
 - Backbutter transition tiles to guarantee 100% adhesion to the subfloor.
 - Curl transition downwards and apply downward pressure to force into place as shown in Fig. 3a.
- ii. Wait for glue to cure (4 - 5 hours) before moving on in the installation procedure.



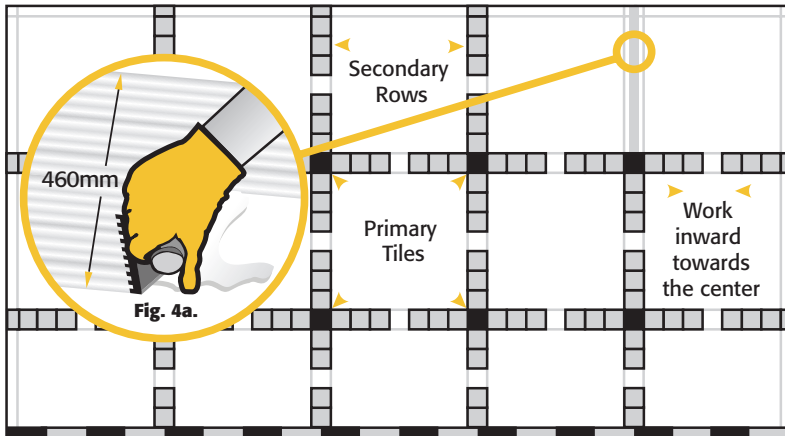
Important notes:

- Seams between transitions should align with middle of adjacent tile

Figure 3

STEP 4

- i. Trowel out 460mm wide strip of adhesive between the chalk lines.
 - ii. Install secondary row tiles working inward towards the center.
- Make sure edges of the tiles align as once the glue cures, tiles will not move.



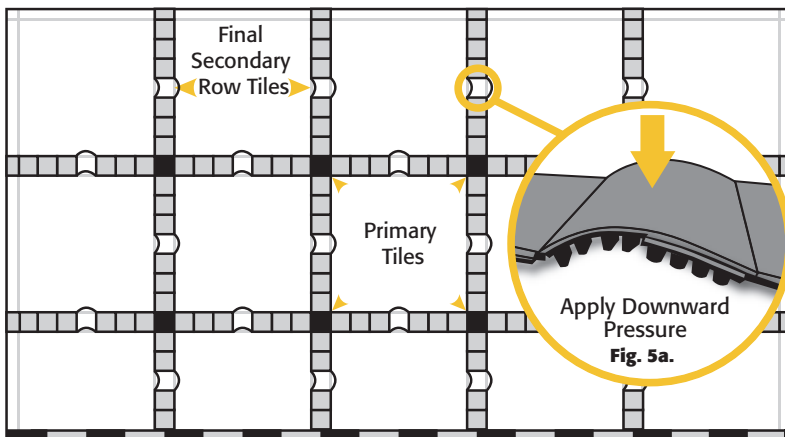
Important notes:

- Reminder: Do not trowel out full 608mm width strip of adhesive as adjacent tile will be hard to interlock (**Fig. 4a.**)

Figure 4

STEP 5

- i. While secondary row glue is still wet, compress in final secondary row tiles, as shown in **Fig. 5a.**
- ii. Wait for glue to cure (4 - 5 hours) before moving on in the installation procedure.



Important notes:

- Chose final secondary row tile to be in the middle of the secondary row and not adjacent to a wall or primary tile

Figure 5

STEP 6

- i. Install field tiles from the outside working inwards.
 - Don't try to align the seams until all tiles are in place.
- ii. Align seams with sledgehammer or carpet knee kicker.

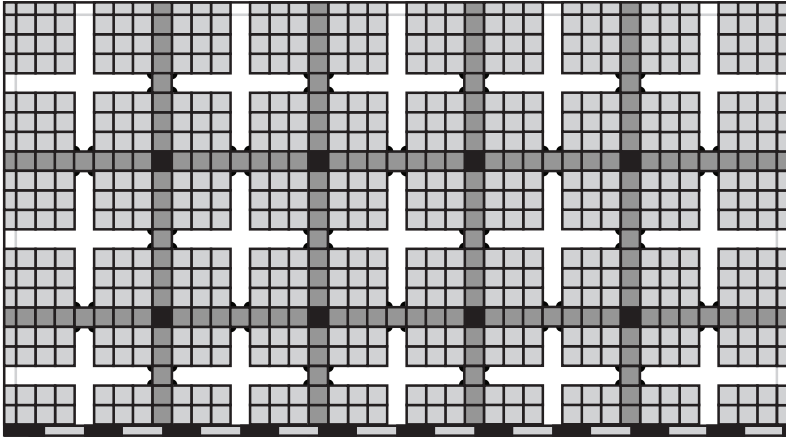


Figure 6

Important notes:

- If tiles start popping up when final field tiles are installed, stack 3-4 tiles on top of problematic area and the field tiles will settle over time.

Time Saving Measures

- i. Stack tiles on primary tiles.
- ii. Stack tiles on secondary row tiles next to transitions.

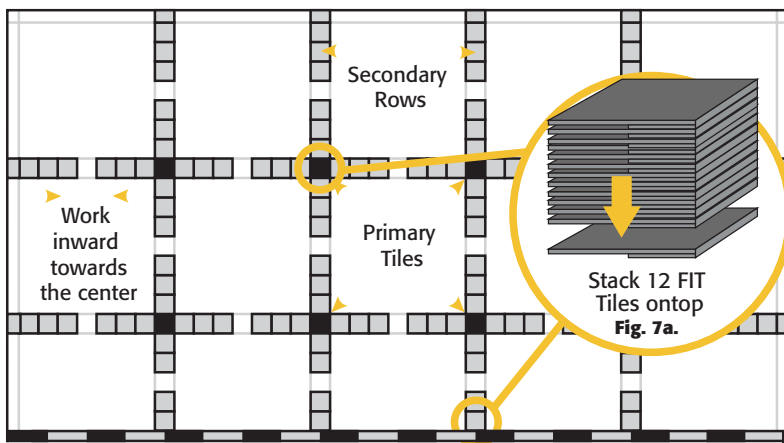


Figure 7

If additional finished floor is desired, please contact Pliteq as interstitial layers are required.

CONTACT Us

For Your Project Specific Questions

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