

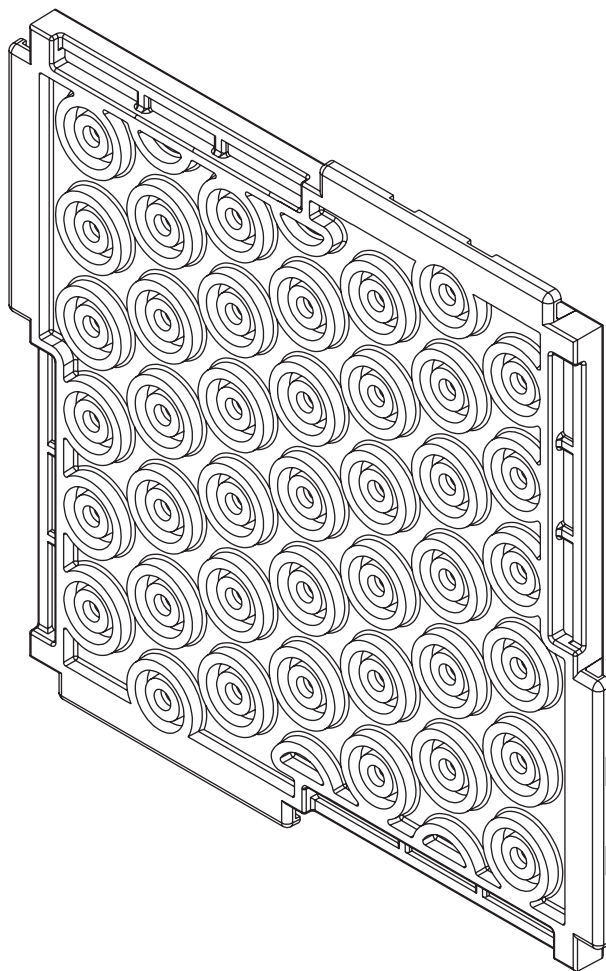


It's not magic, it's engineering.®

Impact Sound Control

GENIEMAT[®] FIT30

Sound Control Flooring for Fitness Areas



TECHNICAL INSTALLATION MANUAL



GENIEMAT[®] FIT30

Sound Control Flooring for Fitness Areas

INSTALLATION GUIDE

General Method

Each **GenieMat FIT** tile measures approximately 610 mm (+/- 2mm) x 610 mm (+/- 2mm) from the factory. After they are installed under compression they must measure 608 mm X 608 mm meaning each tile must be compressed by 2mm.

STEP 1

- i. Locate the Center Line of the Room.
 - Locate, measure and chalk line the vertical and horizontal center lines in the room. **(Fig. 1).**
- ii. Chalk Lines.
 - From the center point of the room, strike chalk lines in 608 mm increments across the room in both directions so that a grid pattern has been created across the entire room **(Fig. 2).**

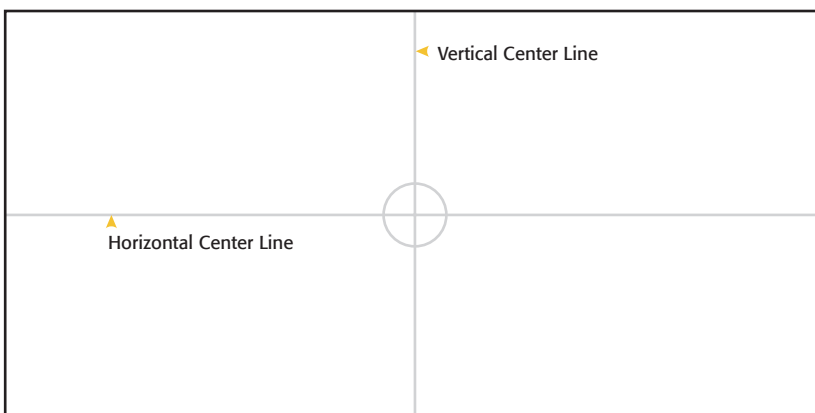


Figure 1

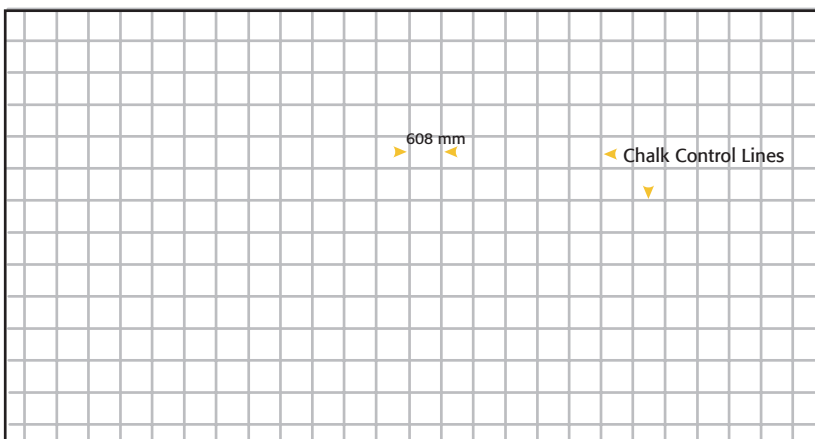


Figure 2

Important notes:

- Center lines should be shifted based on the best visual effect on the perimeter cuts. When possible perimeter cuts should be a minimum of 250mm in width

STEP 2

i. Cutting in the Perimeter.

- In order to properly compress all of the field tiles, the perimeter of the room must be cut and placed in position first.
 - At each seam location along the chalk line around the perimeter of the room, measure the distance from the line to the wall and add 2mm to this measurement and write that dimension on the floor.
 - Continue this process at every seam around the perimeter of the room (every 608mm).
 - Transfer these measurement onto the tile.
- Cut tiles with a razor blade knife and metal straight edge on the line but with a back-cut or under cut of approximately 5 degrees. Install the cut tiles all the way around the perimeter. Start at the corners and work around the room.
 - Compress the final perimeter tiles into the remaining voids (see 'G' for further details).

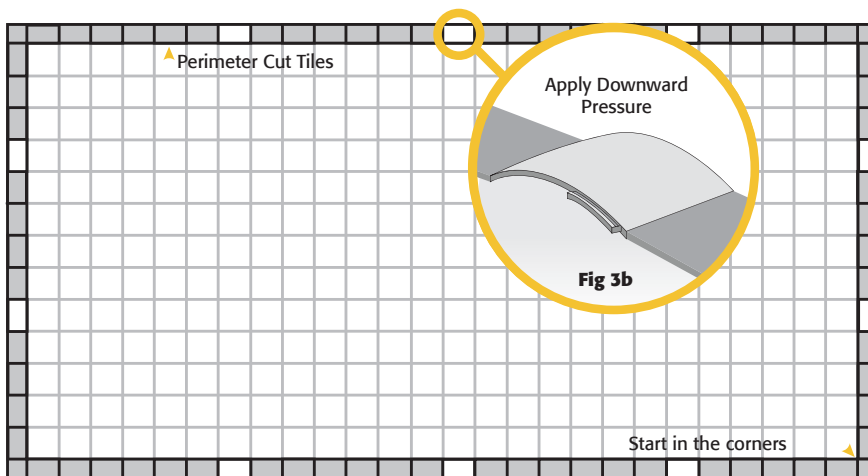


Figure 3

Important notes:

- Perimeter tiles should be installed in 6 tile increments leaving a one tile space between each 6 tile row. This is done to make compression easier by balancing the compressive forces throughout the floor **(Fig. 3b)**.

STEP 3

i. Transitional Ramp Installation.

- If transitional ramps are being used on one or more sides they must be permanently secured to the floor in order to provide a fixed point of compression for the field tiles. This can be achieved with either adhesive or metal L-channel.

ii. Installing Field Tiles.

- Install the field tiles running in one direction only across the room.
- Install every other row of tiles only beginning at the perimeter cuts at each end of the room.

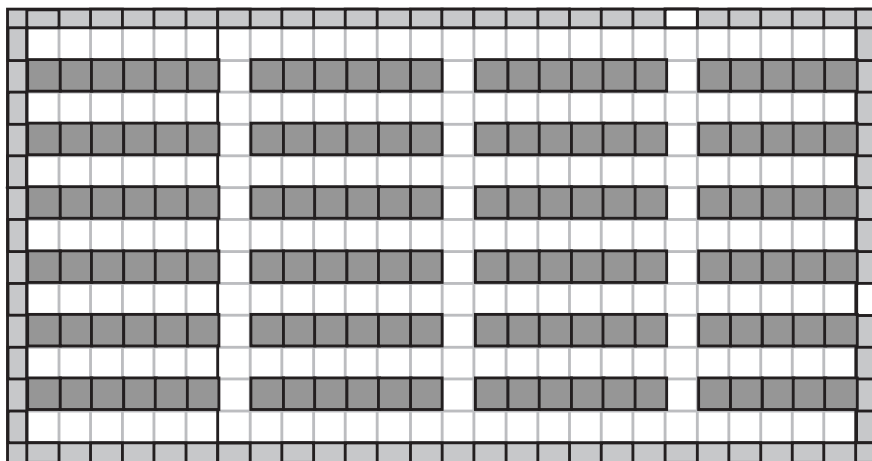


Figure 4

Important notes:

- Adhesive must be fully cured before compression can be applied to the transitional edge.
- Tile rows should be installed in approx 6 tile increments leaving a one tile space between each 6 tile row. The number of tiles between spaces may need to be adjusted based on the room dimensions **(Fig. 4)**.

STEP 4

i. Installing Compression Tiles.

- Begin installing the tiles in the empty space located between the 6 tile increments. These tiles represent the compression tiles and will need to be compressed into a space smaller than the tile **(Fig. 5)**.

ii. Installing Field Tiles in the Opposite Direction

- Once every other row of tile has been installed and compressed into place, begin

installing every other row of tile in the opposite direction **(Fig. 6)**.

iii. Install Compression Tiles

- Install the compression tiles in between the 6 tiles increments.

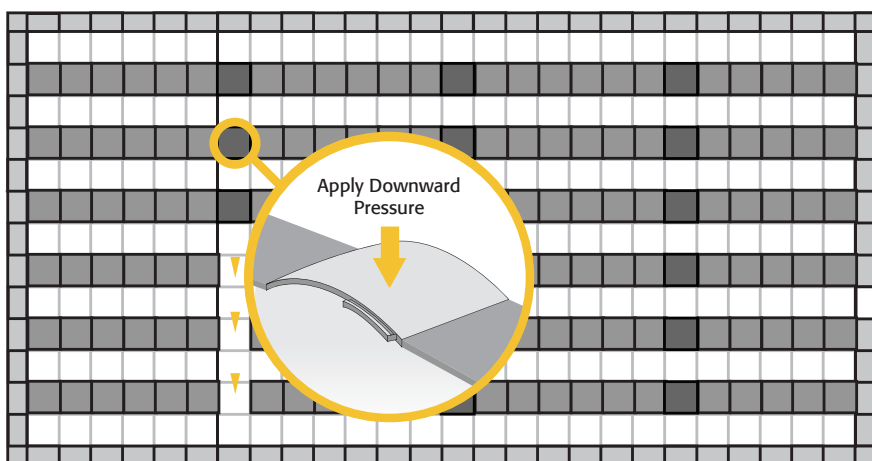


Figure 5: Install compression tile

Important notes:

- The locking mechanism on each edge of the tile should be engaged with the adjacent tile forcing the tile to buckle upwards. Once the locks are engaged, force the tile flat by applying downward pressure onto the tile. This is normally done using a kicking motion or a sledge hammer.

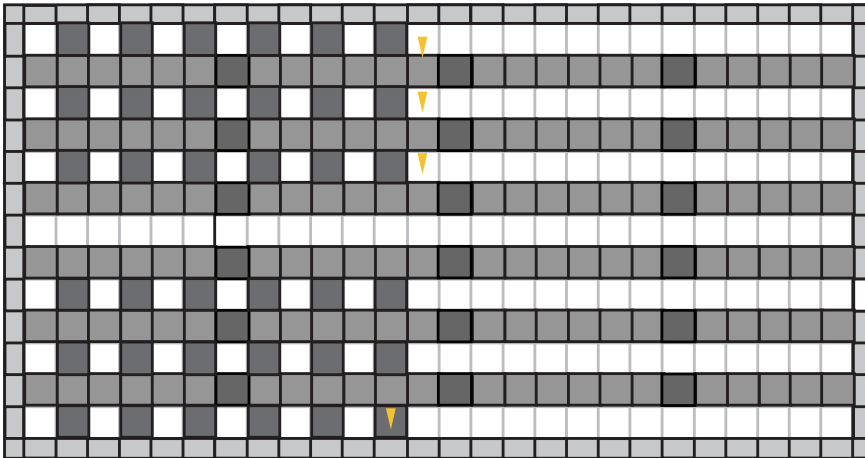


Figure 6: Install field tiles in opposite direction

STEP 5

i. Placing Final Compression.

- At this point in the installation your tile layout should look like the drawing shown in **Fig. 7**.
- The remaining spaces in the floor are smaller than the tiles that will be placed and therefore each tile must be forced into place.

The process of forcing each remaining tile into place will compress all of the remaining tiles in opposite directions.

- Begin by engaging the locks in each of the four corners with the tiles adjacent. This process will create significant pressure and will cause the compression tile to balloon.

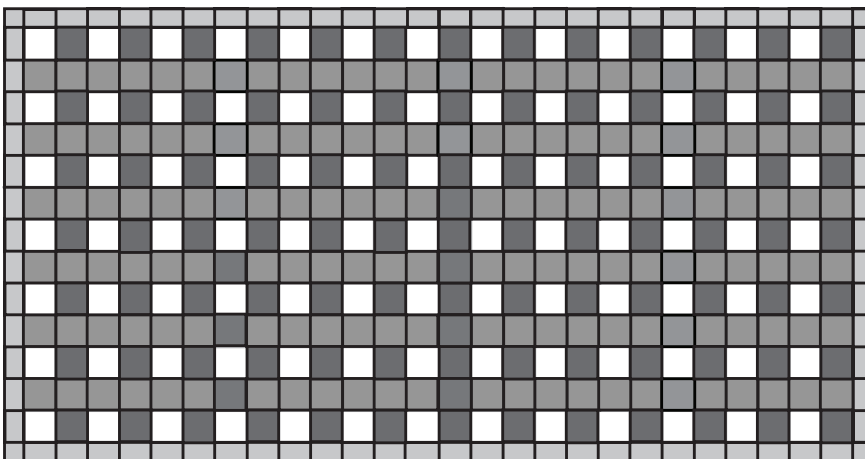


Figure 7

Important notes:

- Install the remaining field tiles by locking in the tabs in a counter-clockwise direction. This will allow for an easier installation.

- Starting on the outer perimeter rows, continue to engage the four corners of each compression tile without attempting to compress the tiles **(Fig. 10)**.
- Once all of the tiles around the perimeter have been partially installed by engaging the corners, begin compressing the tiles into place. Compressing the tiles can be labor intensive and is best accomplished by applying considerable downward force through a kicking action and the use of a sledge hammer.
- Continue this process throughout the room using the two step method above. Install final compression tiles in large groups at a time, beginning with the one or two rows around the perimeter and then working throughout the floor **(Fig. 11)**.
- Compress tiles throughout the remainder of the floor based on how the tiles are shifting during installation. Starting on the outer perimeter rows, continue to engage the four corners of each compression tile without attempting to compress the tiles.

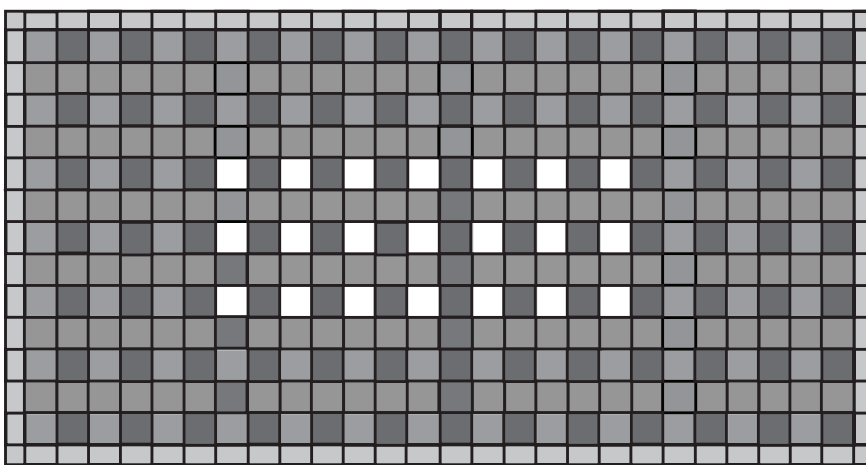


Figure 8

**Product colors may vary. Customers are advised to watch for differences in color tones between tile to tile and roll to roll. Recycled raw material can vary in appearance. Pliteq cannot guarantee that actual product will exactly match sample colors or colors as seen on website and collateral. Colour variation can be minimized by placing tiles and rolls in less visible areas.*

CONTACT Us

For Your Project Specific Questions

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