

GREATMATS



dBTile Gym Floor 2-1/2" Tile Installation and Maintenance Manual

Greatmats.com
117 Industrial Ave
Milltown, WI 54858

Toll free: 877-822-6622
Direct voice: 715-653-6100
info@greatmats.com

TABLE OF CONTENTS

BASE PREPARATION

General Information	3
Tools/Materials Required	3

INSTALLATION

Site Layout	4
Quad Blok Installation 2-1/2" Tiles	5
Cutting Tiles & Accessories	6

MAINTENANCE

Maintenance	7
-------------	---

I. GENERAL INFORMATION

Heavy Drop Gym Floor Tile can be installed on concrete and wood, utilizing the Quad Blok system.

NOTE: Dimensional tolerance for tiles is +/- 1/8" for thickness and +/- 1/8" in width. It may be necessary to hand select some tiles to make sure the course lines remain straight during the installation. Additionally, color tone and shading may vary to the extent that some hand selection is required to maintain uniformity throughout the site.

NOTE: Heavy Drop Gym Floor Tile is manufactured from recycled materials and slight variance in shade and color chip dispersion is normal. It is the installer's responsibility to inspect all products to ensure the correct style, thickness, and color. Any moderate to severe discrepancies should be reported immediately before beginning installation.

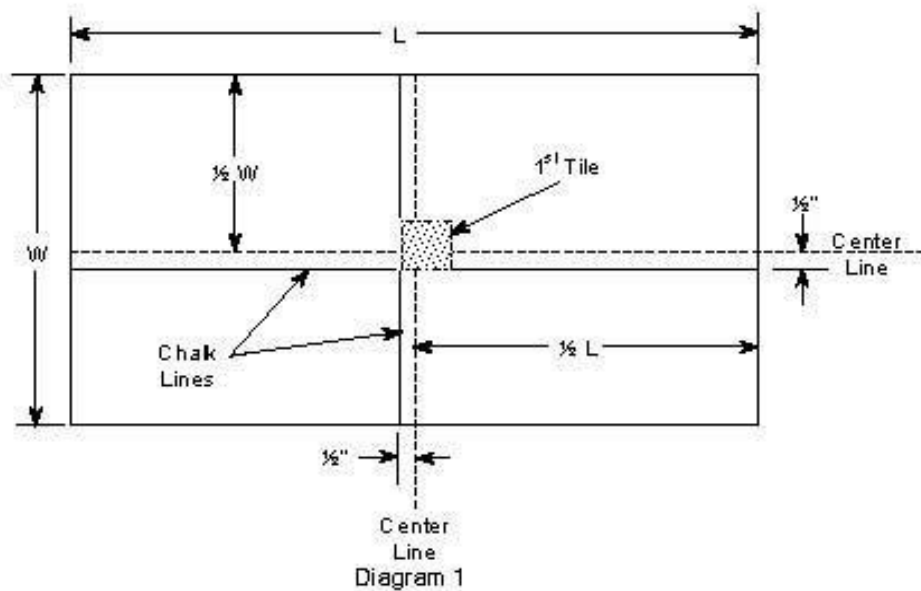
0 = Recommended	S- Acceptable
	INTERIOR
Surface	24" x 24" x 2-1/2"
	Quad Blok
Concrete Surface	0
Plywood	S

II. REQUIRED TOOLS/MATERIALS

1. Two tape measures - one 25', one 50'
2. Safety glasses
3. Chalk line
4. 1-1/2" flexible putty knife
5. Saber saw
6. Coveralls
7. Blades for saber saw (7-10 teeth per inch)
8. Kneepads
9. Solvent safe rubber gloves, long cuff style
10. Dustpan
11. Utility knife with heavy-duty blades
12. Rags
13. Framing square
14. Trash bags
15. Silver or gold color paint pencils
16. Push broom or high velocity blower
17. Standard size caulk gun
18. Mineral spirits
19. 4" slot blade screwdriver
20. Installation instructions
21. Silicone Spray Lubricant
22. String line
23. Notched trowels (1/8" square notch)
24. Cutting table (shipping pallet)

III. SITE LAYOUT

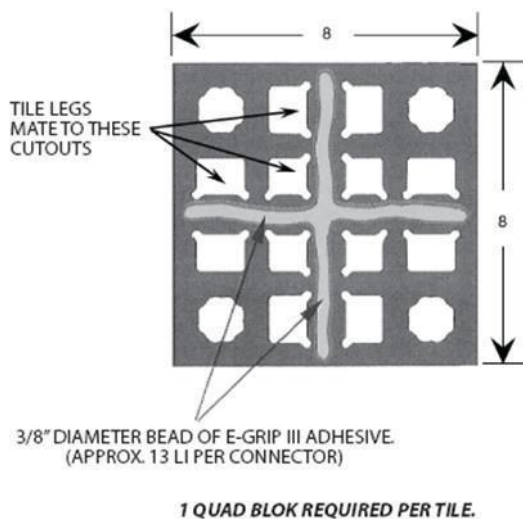
- A. Sweep area clear of all dust and loose debris.
- B. Determine a starting point for the first course of tile to best suit the site area. For irregular site configurations, the best starting point is often in the center. This will ensure a symmetrical finish for tiles that require trimming along the perimeter. Other installations are best started in the corner or along the edge that represents the length or width dimension of the site.
- C. Mark two points on the base surface at an equal distance from the edge of the installation. These points should be located near the opposite ends of the site in the lengthwise direction.
- D. Measure the length of the site along the chalk line. Mark a point at half the distance of the site.
- E. Using the 3-4-5 right triangle method, snap a chalk line to form a 90° angle to the previously established length-wise chalk line. These perpendicular reference lines will serve as a guide for laying the first course of tile.
- F. Lay whole tiles from left to right along chalk line #1 up to the wall on the opposite side of chalk line #2. The last tile will likely have to be cut to fit against the wall.
- G. Offset tiles from center line in rooms to avoid cutting tiles against wall that are less than 12 inches in width.



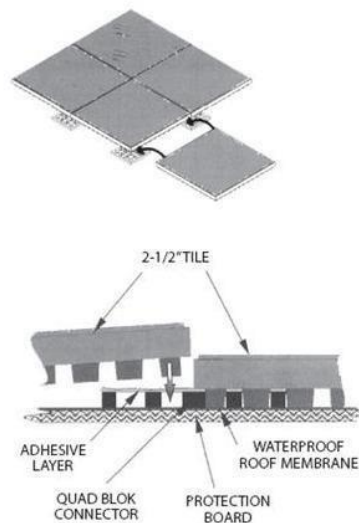
IV. QUAD BLOK INSTALLATION

- A. Follow the Site Layout instructions to prepare the area for the installation of the 2-1/2" Heavy Drop Gym Tile.
 - B. Once chalk lines are established, place the first tile at the intersection of two chalk lines, aligning adjacent edges of the tile with the chalk lines.
 - C. Apply a continuous 3/8" diameter bead of E-Grip III adhesive along the center axes of all Quad Blok connectors. Working adhesive time is dependent upon environmental conditions.
 - D. Fit the first tile with four prepared Quad Blok connectors by lifting each tile corner slightly, sliding the connectors under each corner and engaging the four corner legs of each tile with the respective apertures in the Quad Blok. Continue to sequentially lay the tile and to set the Quad Blok connectors along one chalk line until the first course of tile is complete.
- NOTE:** In the field, cut the Quad Blok connectors in half to properly secure tile around the perimeter edge of surface area.
- E. Complete the other three quadrants in a similar fashion.
 - F. Depending on manpower availability, one or more quadrants can be worked on simultaneously using the above method.
 - G. Allow 24 hours for adhesive to cure before opening area for use.
 - H. One 10.1 ounce tube of E-Grip III is required for approx. 10 of the 8" x 8" Quad Blocks.

2. Connector Detail



1. Typical Tile Field Placement



V. CUTTING TILES & ACCESSORIES

- A. The most accurate cuts are made using a heavy-duty high carbon steel linoleum knife and a straight edge. A saber saw utilizing a 7-10 TPI wood cutting blade also does an acceptable job, especially for free-form cuts. Blade must be long enough to penetrate the 2-1/8" pad. A saw with a 3-3.5 amp rated motor having a 1" stroke with variable orbital setting will produce the best results.
- B. Follow the Quad Blok Installation Instructions to prepare the site to install tile and Quad Blok connectors.
- C. Avoid leaving a cut edge of a tile exposed to eyesight. To ensure a finished appearance, any tile that has its factory molded edge removed or cut for any reason should be positioned against a wall or other vertical member. Use either a silicone sealant or a permanently elastic urethane sealant/adhesive for filling gaps, if any, between cut edges and walls.
- D. On larger jobs, a band saw can be used to make accurate cuts. It is recommended to use a spray silicone to minimize friction and keep the blade from binding.
- E. When working beneath the equipment structures, it will be necessary to occasionally notch out portions of tiles so that the tiles will properly fit around the posts supporting the equipment. This might be necessary when equipment is required to be bolted to the substrate below.
- F. Cut tile so that the cutout is approximately 1/4" larger in all dimensions than the support it will surround. The extra distance is to prevent binding of the tile around the support. Voids between the equipment supports and tile cuts should be filled in with silicone sealant or a permanently elastic urethane sealant/adhesive.
- G. Tile cuts are normally laid out by referencing dimensions from the edges of tiles already in position. These dimensions are then transferred to and laid out on the tile to be cut.
- H. A lead-in cutting line is extended from the tile edge to the portion to be cut. The lead-in cutting line chosen usually represents the shortest distance from the cutout area to an edge of the tile or the one that is least noticeable.
- I. Reducers installed at the corners should be miter cut to allow reducers to fit together correctly.

Steps	Cleaning Products	Dilute	Brushes
Initial Cleaning	Ecore's E-Cleaner	10 oz./gal. water	Soft Nylon Brush or Approved Pad
Regular/Daily Cleaning	Ecore's E-Cleaner	2-4 oz./gal. water	Soft Nylon Brush or Approved Pad
Heavy Soil & Restorative Cleaning	Ecore's E-Cleaner, Ecore's E-Strip	10 oz./gal. water	Brown Pad or Black Pad



Broom



Wet Mop



Wet/Dry Vacuum



Auto Scrubber



Buffer

I. MAINTENANCE

A. Initial Cleaning

1. Remove all surface soil and debris by sweeping, mopping or vacuuming.
2. Scrub floor with Ecore's E-Cleaner, using a buffer or auto scrubber with a soft nylon brush.
3. Pick up solution with a wet vacuum, rinse thoroughly with clean water, and allow to dry thoroughly (6-8 hours).

B. Daily/Regular Cleaning

1. Remove all surface soil and debris by sweeping, mopping, or vacuuming.
2. Scrub floor with Ecore's E-Cleaner, using a buffer or auto scrubber with an approved pad or soft nylon brush.
3. Pick up solution with a wet vacuum, rinse thoroughly with clean water, and allow to dry thoroughly (6-8 hours).

C. Heavy Soil & Restoration

1. Sweep and dry vacuum floor thoroughly.
2. Aggressively scrub the floor with a recommended cleaner or stripper, a brown or black pad, and an auto scrubber or rotary scrubber.
3. Vacuum soiled solution with a wet/dry vacuum and rinse thoroughly with clean cool water.
4. Allow floor to dry thoroughly.