

ecore™ | Athletic



## **dB-Turf Tile (decibel) TECHNICAL MANUAL**

Installation • Maintenance • Warranty

Manufactured in the U.S.A. by:

**ecore**

Revised on 05/24/2019  
Supersedes all previous versions.  
Check website for updates.

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## Installation

### I. GENERAL INFORMATION

Ecore Athletic dB-Turf 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:** 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.

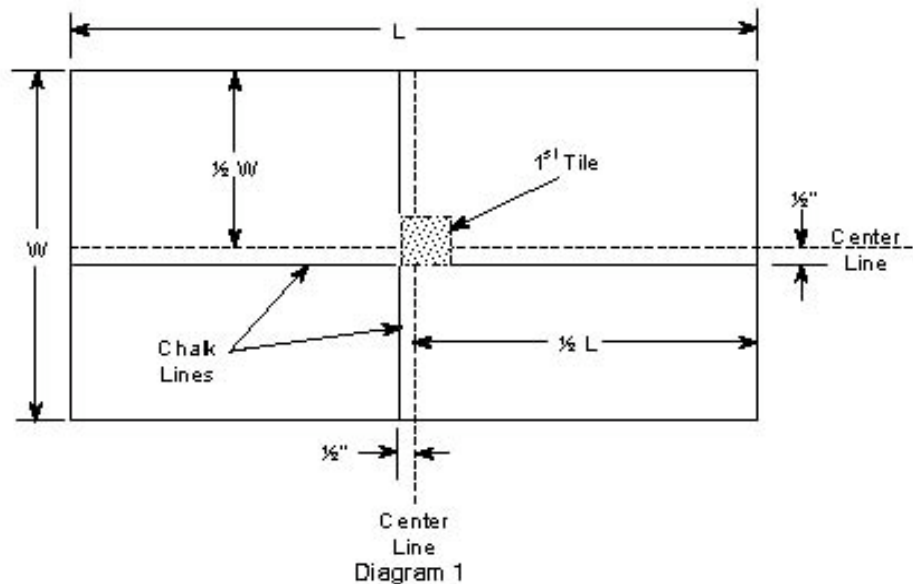
<b>0 = Recommended</b>	<b>S- Acceptable</b>
	<b>INTERIOR</b>
<b>Surface</b>	24" x 24" x 2-1/2"
	Quad Blok
Concrete Surface	0
Plywood	S

### 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.



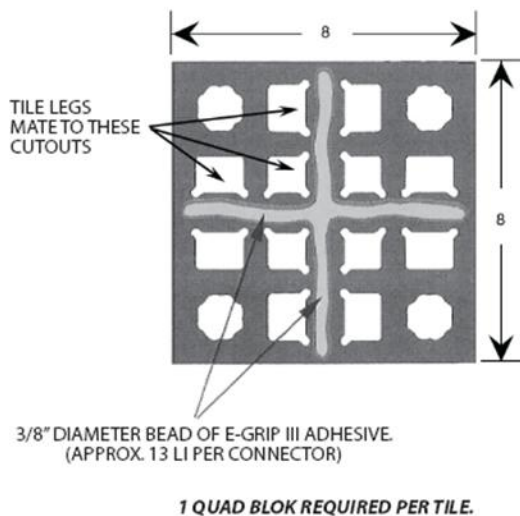
IV. QUAD BLOK INSTALLATION

- A. Follow the Site Layout instructions to prepare the area for the installation of the 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 axis 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.

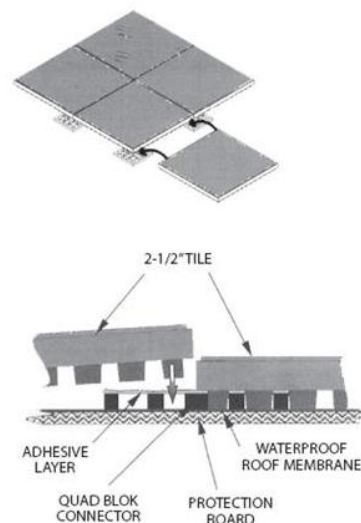
**NOTE:** In the field, cut the Quad Blok connectors in half to properly secure tile around the perimeter edge of surface area.

- 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.

## Maintenance

The following procedures are key in helping to preserve your turf:

I.	<b>Keep it clean</b>
II.	<b>Brush periodically</b>
III.	<b>Do not abuse</b>
IV.	<b>Report any problems promptly</b>

### I. Keep it clean

#### 1. Dust, pollen, and airborne pollutants

For lightly soiled areas, it may be necessary to use a rectangular microfiber mop with three (3) ounces of E-Cleaner per gallon of water. For heavily soiled areas, repeat procedure using a three (3) percent solution of household ammonia in warm water followed by a thorough rinsing with warm water. A wet vacuum can be used to remove excess water from the surface.

#### 2. Stains and other blemishes

The first rule is promptness. It is always easier to clean up a fresh spill than one that has dried and hardened. Remove any solid or paste-like deposit with a spatula or table knife. Blot up excess liquids with paper towels, a clean cloth, or a dry absorbent, such as kitty litter or fuller's earth. Dry absorbents can then be vacuumed up afterwards.

Synthetic fibers have high resistance to staining. However, it is important to realize they are only one part of a sophisticated system of various components designed for overall performance. Some cleaning agents safe for the face fibers can be harmful to other components of the Turf system. Therefore, cleaning agents are grouped into two sets, one of which can be used in liberal amounts directly on the Turf surface, and the second of which should only be applied by rubbing a cloth lightly soaked in the cleaner in order to minimize penetration of possible harmful agents below the turf surface. In the first group of cleaners which generally can be applied without any special precautions are the following:

- A warm, mild solution of granular household detergent or any low sudsing detergent for fine fabrics. Use approximately one teaspoon to one pint of water. This will handle most waterborne stains including:

Coffee	Cola	Tea	Blood
Ketchup	Milk	Ice Cream	Urine
Mustard	Cocoa	Butter	Dye
Fruit juices	Vegetable juices	Glue	Latex paint

- A three (3) percent solution of ammonia in water may be used in lieu of household detergent for more stubborn stains.
- Do not use cleaners that contain chlorine bleaches or caustic cleaners (pH above 9) or highly acidic cleanses (pH below 5). Use only neutral cleaners such as E-Cleaner provided by ECORE Athletic.
- Rinse area thoroughly with clean warm water to remove any traces of soap or ammonia
- Blot up excessive liquid.

The second group of cleaners, where agent must be applied sparingly and care taken to avoid penetration beneath the turf are the following:

- Mineral spirits or a grease spot remover like perchlorethylene (dry cleaning solution) of the type sold by most variety stores and supermarkets. In general, cleansers in this category should handle most oil-based stains including:

Asphalt	Motor oil & grease	Chewing gum	Lipstick
Tar	Suntan oil	Crayon	Nail polish
Shoe polish	Cooking oil	Ballpoint ink	Floor wax

**Caution:** Mineral spirits and other petroleum-based solvents are flammable. Do not smoke or permit open flames near where these are being used.

Be sure the area is well ventilated where solvent cleaners are used and remember to use sparingly.

3. Animal waste

Neutralize with mixture of white distilled vinegar in an equal amount of water. Flush thoroughly with water after application. And vacuum up excess solution with a wet vacuum.

4. Chewing gum

In addition to dry cleaning fluid, chewing gum can be removed by freezing. Aerosol packs of refrigerant are available from most carpet cleaning suppliers for this purpose, or dry ice can be used. After freezing, scrape with a knife.

5. Fungus or mold spots

A one (1) percent solution of hydrogen peroxide in water can be sponged on to the affected area. Flush thoroughly with clean water after application.

**II. Periodic brushing**

1. Matting of fibers may occur in areas of high foot traffic, especially if fibers have become soiled with dirt and other airborne pollutants.
2. Periodic “cross brushing” of the turf can help restore its aesthetic appearance. “Cross brushing” means all brushing activity takes place against the grain, nap, or sweep of the turf fibers. By brushing against the turf, the fibers are “fluffed up”. A brush with synthetic bristles should be used. Never use a brush with metal or wire bristles as these will change the turf fibers.



**III. Do not abuse**

Although turf is made of tough, durable fibers, certain precautions should be taken to prevent any damage.

- Lighted cigarettes cannot ignite the turf, but they can damage it by fusing the tips of the fibers together.
- Furniture and equipment with sharp or jagged edges should not be placed on turf as this may puncture or tear the turf.
- Water from sprinkler systems or hard water areas can leave mineral deposits that may cause discoloration.
- Do not expose turf to reflected sunlight as this may fuse the fibers together.

**IV. Report any minor problem**

Minor problems can become major problems quickly if not corrected. Any problem should be reported promptly to your dealer.

**V. Conclusion**

The proper care and maintenance program can enhance the aging, usefulness, and aesthetics of the turf.

## Warranty

Ecore (the “Seller”) warrants that the dB-Turf Tile surface will be free from defects in materials and workmanship.

### *What does the warranty cover?*

- Surface wear due to ordinary abrasion from pedestrian traffic will not penetrate the wear course of the surface.
- The tiles, when installed according to the manufacturer’s specifications, will ensure the surface remains fixed and functional.

### *How long does the warranty coverage last?*

- This is a 5 year limited warranty, prorated as outlined in the warranty coverage schedule shown below. This warranty may be transferred with the property.

### *What will we do?*

- Any segment of the dB-Turf Tile surface that meets the warranty criteria will be repaired or replaced, at the Seller’s option and in conjunction with the warranty coverage schedule below.

### *How do you submit a warranty claim?*

- A warranty claim should be made directly to the Seller. Please provide: description of the claimed defect, the date the defect was discovered, sales order number, photographs of the claimed defect, the date of the original installation, the project name, and your name, address and phone number. The Seller will provide notification of any additional information and physical evidence that may be required to process your claim.

### **Warranty Coverage Schedule:**

- The Seller shall be responsible for 100% of the purchase price of any product found to be defective or not in compliance with the warranty herein within the first year following the original shipment of the product. Where any product is found to be defective or not in compliance with the warranty herein more than 1 year following the original shipment of the product, the Seller shall only be responsible for a portion of the cost of purchase price of such products as follows (and the buyer shall bear and pay the remaining portion of such costs).

<b><u>Number of years from date of original shipment to date of claim</u></b>	<b><u>Percentage of purchase price of product for which Seller is responsible</u></b>
<b>Up to 1 -----</b>	<b>100%</b>
<b>More than 1 and up to 2 -----</b>	<b>60%</b>
<b>More than 2 and up to 3 -----</b>	<b>40%</b>
<b>More than 3 and up to 4 -----</b>	<b>30%</b>
<b>More than 4 and up to 5 -----</b>	<b>20%</b>

**Warranty Exclusions**

This warranty does not cover:

- Differential fading due to light exposure, shading, pile crush, dye lot differences and soiling.
- Material installed with visible defect defects.
- Damage from any use for which the product was not designed, including weight drops or sleds or carts (pulling, pushing, or dragging, rope pulled objects) etc.
- The exact matching of shade or color.
- Any express or implied promise made by any salesman or representative.
- Tears, burns, cuts or damage due to improper installation, improper use or improper cleaning agents or maintenance methods.
- Labor costs for installation of original or replacement material.
- Sale of "Remnants", "Seconds", "Off Goods" or other irregular (non-first-quality) flooring materials. With respect to "Seconds", "Off Goods", or "Remnants" such are sold "as is," and Ecore makes no warranties whatsoever, express or implied with respect thereto, including warranties of merchantability or fitness for a particular purpose.
- Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor.
- Problems caused by uses, maintenance, and installation that are contrary to product specifications, recommendations or instructions.
- Material installed outdoors.
- Material that is not installed and maintained as recommended by Ecore.
- Damage to flooring products from pallet jack and tow-motor or vehicular traffic.
- Environments where the product will be exposed to animal fats, vegetable oils, grease or petroleum-based materials. (i.e.: commercial kitchens or auto repair facilities.)
- Premature wear and deterioration from spikes or natural grass cleats.
- Differences in color between products and photography.

**Additional Considerations:**

- The Seller's liability is limited to the material and transportation costs of repair or replacement of the product at the Seller's option. The Seller shall be responsible for installation costs and the costs of other work in connection with such repair and replacement only if such work was performed by Seller in the original installation. Where installed only in high traffic areas or installed in combination with other surfacing products not sold by the Seller, such tiles are excluded from this warranty.
- In the event of repair or replacement under this warranty, the warranty applicable to the replacement material or to the repaired products will extend only for the time remaining under the original warranty.
- The Seller reserves the right to discontinue or change any design or color of any products at any time and without notice or liability. If, for any reason, products of the type originally purchased are no longer available at the time a warranty claim is made, Seller may substitute another product determined by Seller to be of comparable quality and price.
- Your exclusive remedy for any breach of warranty is as set forth in this warranty. This warranty gives you specific legal rights. You may have other rights which vary from state to state and province to province. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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