



ECOdB 2 1/2" Tile

TECHNICAL MANUAL

Installation · Maintenance · Warranty

Manufactured in the U.S.A.

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Supersedes all previous versions.
Check website for updates.

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I. GENERAL INFORMATION

A. Base Preparation

1. dBTile can be installed on:
 - a. Concrete (min. 3,000 psi)
 - b. Plywood (double construction with a min. thickness of one inch, rigid and free from movement).
2. dBTile ALWAYS utilizes the Quad Blok system.
3. Radiant heat – dB tiles are not recommended for radiant heat..

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. Slight variance in shade and color chip dispersion is normal.

Surface / Sub-base	Interior Installation Only	
	Quad Blok Only ^{1,2,3}	Full Glue
Concrete	Approved	Not Approved
Plywood	Approved	Not Approved
Please note: 1. Tile must always be glued to top of Quad Blok 2. Only adhere tile to Quad Blok connector; do not glue Quad Bloks or Tiles to substrate 3. Radiant heat – 2-1/2" ECoDB Tiles are not recommended over radiant heat		

B. MATERIAL STORAGE AND HANDLING

1. Deliver the material to the job site in its original unopened packaging with all labels intact and stored appropriately inside to prevent damage.
2. Shrink wrap is to secure and stabilize material on pallet during shipment only. Please remove shrink wrap from pallet immediately upon receipt, as damage to material could result from not doing so. After removing shrink wrap, do not expose material to sunlight. Store appropriately inside and securely cover for protection until installation.
2. Inspect all material for visual defects before beginning the installation. Verify the material delivered is the correct type, thickness, and amount. Report any discrepancies immediately. ECoSurfaces will honor no labor claim on material installed with any visually apparent defects.
3. The material and any adhesive must be acclimated at room temperature for a minimum of 48 hours before starting the installation.

II. Installation

A. SITE LAYOUT

1. Sweep area clear of all dust and loose debris.
2. Determine a starting point for the first course of tile to best suit the site area. Because most walls are not straight or corners square, tile installation generally starts in the middle of the room, so measure the width and length of the space, divide the room into 4 equal quadrants and snap chalk lines that are perpendicular (90 degrees) to each other.
3. Place the first tile's edges where the two perpendicular chalk lines meet.

Hint: Adjust the starting point to balance the tiles side-to-side in the room to not end up with narrow cuts of tile against the walls.

4. The last row of tiles will most likely have to be cut to fit.

B. QUAD BLOK INSTALLATION

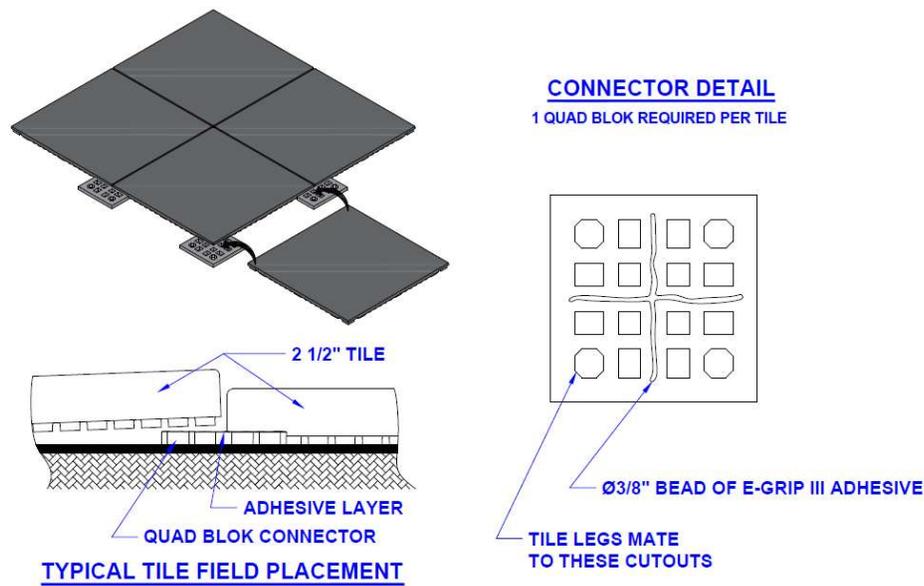
1. Follow the Site Layout instructions to prepare the area for the installation of the ECOdB Tile.
2. Once chalk lines are established, place the first tile at the intersection of two chalk lines, aligning adjacent edges of the tile with the chalk lines.
3. Apply a continuous 3/8" diameter bead of E-Grip III adhesive along the center axes of all Quad Blok connectors. Working adhesive time is dependent upon environmental conditions.
4. 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: Cut the Quad Blok connectors in half to secure full perimeter tiles

5. Complete the other three quadrants in a similar fashion. Roll floor with a 75-pound flooring roller after gluing tiles into Quad Bloks. Roll again 1 hour later.
6. Allow 24 hours for adhesive to cure before opening area for foot traffic, 48 hours before exercise use and 72 hours before placing equipment or risk causing debonding of the uncured adhesive.
7. One 10.1-ounce tube of E-Grip III is required for approx. 10 of the 8" x 8" Quad Blocks.

NOTE: Do not allow E-Grip III to cure on your hands or the flooring; it is very difficult to remove. We strongly suggest wearing gloves while using adhesive.

Note: Adhesive spills must be removed while still wet. Use a dry rag to pick up the majority of the adhesive. Wipe the remaining residue with a rag dampened with mineral spirits or denatured alcohol and follow with a rag damp with water to remove the mineral spirits / denatured alcohol. Cured adhesive can only be removed from surfaces by mechanical means, such as scraping or sanding.



C. CUTTING TILES & ACCESSORIES

1. Tiles installed against a wall will most likely have to be cut to fit. Use a heavy-duty utility knife and a straight edge for a clean, neat surface cut followed by a saber saw using a 7-10 TPI wood cutting blade to finish cutting. Silicone spray lubricant can make cutting easier. A cutting table used to support tile during cutting is recommended; a standard shipping pallet may help.
2. Do not leave any cut tile edge exposed to foot traffic. All tiles with a factory molded, radius edge removed for any reason should be backed along that edge using a 1" masonry or timber edging, unless that edge is to be placed against a wall or other vertical member.
3. Tile cuts are normally laid out by referencing dimensions from the edges of tiles already in position. These dimensions are then transferred to the tile to be cut.
4. Use a lead-in cut (shortest distance from the cutout to edge of tile, least noticeable, etc.) from tile edge to the area to be removed.
5. Cut tiles to provide 1/4" clearance at walls, posts, etc.
6. All Reducers (standard and ADA) are intended to be fully adhered to substrate. Miter-cut reducers at corners as required.

Maintenance

It is the Specifier's responsibility to:

- Mandate covering and protection of floor from damage and construction debris until construction is complete.
- Assign to the appropriate party responsibility for the initial cleaning of floor following published procedures.

It is the General Contractor's responsibility to provide:

- A building or installation area that is fully enclosed from the elements, e.g., finished roof, windows, doors, etc.
- Temperature that is climate controlled with a minimum uniform temperature of 65° F for 48 hours prior to, during, and after the flooring installation, for acclimation of flooring materials.
- Protection for those areas of the flooring that are subject to direct sunlight through doors or windows by having the doors or windows covered for such time until the installation of the material is complete.
- Protection for flooring from damage and construction debris by using an appropriate floor covering until such time that the recommended initial cleaning may be performed.

Maintenance and Steps

Steps	Cleaning Product	Mixture	Diluted Coverage	Equipment
Initial Cleaning	E-Cleaner	10 oz./gal. water	2,000 sq. ft./gal.	Microfiber mop, Soft Nylon Brush or 3M 5100 Red Pad or equal
Daily Cleaning	E-Cleaner	2-4 oz./gal. water	6,000 sq. ft./gal.	Microfiber Mop, Soft Nylon Brush or 3M 5100 Red Pad or equal
Heavy Soil Restorative Cleaning	E-Cleaner E-Strip	10 oz. / gal water 16-32 oz./gal. Water	2,000 sq. ft./gal. 500-1,000 sq. ft./ gal.	Brown 7100 or Black 7200 pad as req'd. (Do not use High Productivity Pad)

ECOSurfaces recommends Ecore’s environmentally friendly line of maintenance products, including E-Cleaner.

1. Initial Cleaning

- Remove all surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming with a high CFM vacuum. For large areas, use auto scrubbers to clean floors.
- Scrub floor with Ecore’s E-Cleaner (10 oz. /gal. of water), using buffer or auto scrubber with a soft nylon brush or pad per table above. Avoid flooding the floor.
- Pick up solution with a wet vacuum. Rinse with clean water, picking up the rinse water with a wet vacuum and allowing it to dry thoroughly (6-8 hours).

2. Daily/Regular Cleaning

- Remove surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming.
- Damp mop with a microfiber mop or auto-scrub with Ecore’s E-Cleaner diluted (2-4 oz. /gal. of water) and pad per table above.
- Rinse with clean water to remove residue.

3. Heavy Soil & Restorative Cleaning

- Remove all surface soil and debris by sweeping, mopping or vacuuming.
- Aggressively scrub the floor with either E-Cleaner or E-Strip, a low-speed scrubber and a 3M Brown 7100, or Black 7200 pad as req’d. **(Do not use High Productivity Pad)**
- Pick up solution with a wet vacuum, rinse with clean water, and allow to thoroughly dry.

Warranty

All ECOsurfaces ECODB Tile is warranted free from defects in materials and workmanship, that surface wear due to ordinary abrasion from pedestrian traffic will not penetrate the wear course of the surface, and that, when installed according to the manufacturer's specifications, will ensure the surface remains fixed and functional. If found to be defective under normal non-abusive conditions, at the discretion of ECOsurfaces, the sole remedy against the seller will be to repair, to replace, or to issue a credit not exceeding the selling price of the defective goods. These warranties only apply to the original purchaser. Please see the ECOsurfaces Warranty Guide for length specifics.

This warranty shall not cover dissatisfaction due to improper installation, normal wear or quality of installation expected from the use or environment of installation, damage from improper maintenance or usage, or general misuse, including and without limitation: burns, cuts, tears, scratches, scuffs, damage from rolling loads, damage from cleaning products not recommended by ECOsurfaces, slight shade variations or shade variations due to exposure to direct sunlight, or differences in color between samples or photographs and actual flooring.

Excluded from Warranty

These warranties do not apply to the following:

1. The exact matching of shade, color, or mottling.
2. Any expressed or implied promise made by any salesman or representative.
3. Tears, burns, cuts, or damage due to improper installation, improper use, or improper cleaning agents or maintenance methods.
4. Wear from chairs or other furniture without proper floor protectors will void the warranty. Care should be taken to protect the flooring from damage by using good quality protective feet for chairs, tables, and other furniture. Chair mats may be required under chairs with casters/wheels.
5. Labor costs for installation of original or replacement material.
6. Sale of "Seconds," "Off Goods," or other irregular (non-first quality) flooring materials which are sold "as is," and ECOsurfaces makes no warranties whatsoever, express or implied with respect thereto, including warranties of merchantability or fitness for a particular purpose.
7. Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor.
8. Problems caused by uses, maintenance, and installation that are contrary to ECOsurfaces specifications, recommendations or instructions.
9. Material installed with obvious defects.
10. Damage to flooring products from high heels or spike heels.
11. Damage to flooring products from rubber mats, rubber-backed mats, or rubber tires.
12. Installation with adhesives other than those recommended by ECOsurfaces.
13. Fading and/or discoloration resulting from heavy sunlight penetration and ultraviolet ray exposure from direct or glass-filtered sunlight.
14. Material that is not installed and maintained as recommended by ECOsurfaces.
15. Damage to flooring products from pallet jack and tow-motor traffic.
16. 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.)
17. Premature wear and deterioration from spikes and skate blade exposure.
18. Differences in color between products and photography.
19. Embossing/density deviations between product and samples, photography.
20. Olympic-style weightlifting.

This warranty is in lieu of any other warranty, whether expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. ECOsurfaces shall not be liable for incidental or consequential losses, damages or expenses directly or indirectly arising from the sale, handling, or use of the materials (goods), or from any other cause relating thereto. For complete and latest warranty information, please visit www.ecosurfaces.com.



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Manufactured in the U.S.A.

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