

2 1/2" ECOsmash

TECHNICAL MANUAL

Installation · Maintenance · Warranty

Manufactured in the U.S.A. by:



Revised on 29Jun2021
Supersedes all previous versions.
Check website for updates.

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I. GENERAL INFORMATION

ECOsmash 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: ECOsmash 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.

	Interior Use Only
Surface	24" x 24" x 2-1/2"
Concrete Surface	Quad Blok
Plywood	Quad Blok

II. REQUIRED TOOLS/MATERIALS

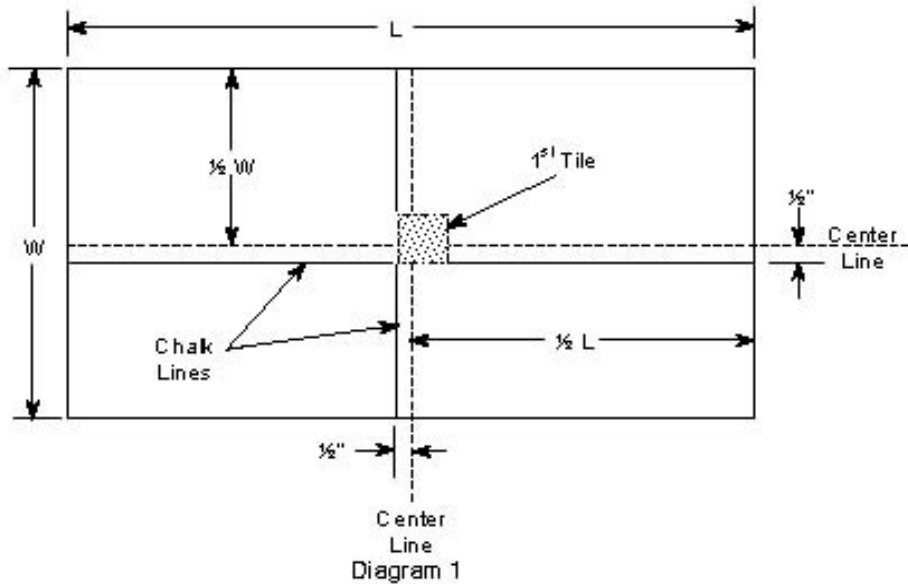
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| 1. Two tape measures - one 25', one 50' | 2. Safety glasses |
| 3. Chalk line | 4. 1-1/2" flexible putty knife |
| 5. Saber saw | 6. Coveralls |
| 7. Blades for saber saw (7-10 teeth per inch) | 8. Kneepads |
| 9. Solvent safe rubber gloves, long 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) | 25. Cutting table (shipping pallet) |
| 24. 75-100 pound floor roller | 26. Shop Vac |

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. 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.
- C. 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 to not end up with small cuts of tile against the walls.

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



IV. QUAD BLOK INSTALLATION

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

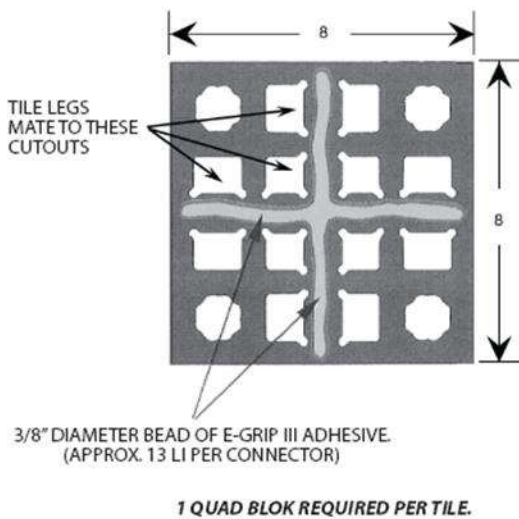
- D. Fit the first tile with four prepared Quad Blok connectors by lifting each tile corner slightly, sliding the connectors under each corner and engaging the four corner legs of each tile with the respective apertures in the Quad Blok. Continue to sequentially lay the tile and to set the Quad Blok 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.

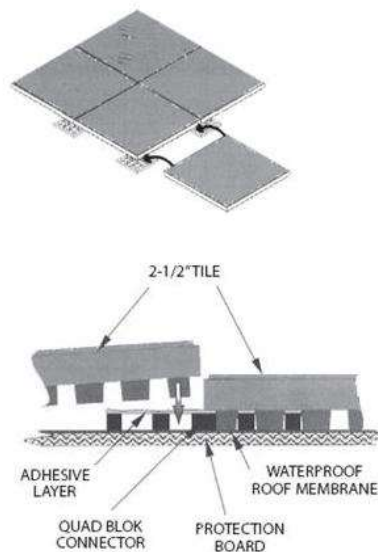
- E. Complete the other three quadrants in a similar fashion. Roll floor with a 75 pound flooring roller after gluing tiles into Quad Bloks. Roll again 1 hour later.
- F. Allow 24 hours for adhesive to cure before opening area for foot traffic, 48 hours before exercise use and 72 hours before placing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

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. Cured adhesive can only be removed from surfaces by mechanical means, such as scraping or sanding.

2. Connector Detail



1. Typical Tile Field Placement



V. CUTTING TILES & ACCESSORIES

- A. The most accurate cuts are made using a heavy-duty utility or carpet knife and a straight edge. A saber saw utilizing a 7-10 TPI wood cutting blade also works well. 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. A cutting table used to support the work is required during cutting. A standard shipping pallet works well for this purpose for in-field use. A band saw can also be used. Spray silicone can minimize blade friction and binding.

- B. Follow the Quad Blok Installation Instructions to prepare site.
- C. Any tile with the factory radius edge removed / cut must be positioned against a wall. Fill gaps between cut edges and walls / vertical surfaces with silicone sealant or a permanently elastic urethane sealant/adhesive.
- D. Notch tiles with ¼” clearance to fit properly around the equipment support posts. Fill this space with silicone sealant or a permanently elastic urethane sealant/adhesive.
- E. 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.
- F. Use a lead-in cut (shortest distance from cutout to edge of tile or least noticeable) from tile edge to area to be removed.
- G. Miter cut corner reducers for correct fit.

Maintenance

Steps	Cleaning Products	Dilute	Brushes
Initial Cleaning	Ecore’s E-Cleaner	10 oz./gal. water	Microfiber mop, Soft Nylon Brush or 3M 5100 Red Pad or equal
Regular/Daily Cleaning	Ecore’s E-Cleaner	2-4 oz./gal. water	Microfiber Mop, Soft Nylon Brush or 3M 5100 Red Pad or equal
Heavy Soil & Restorative Cleaning	Ecore’s E-Cleaner - Ecore’s E-Strip -	10 oz./gal. water 16 oz./gal. water	Brown 7100, or Black 7200 pad as req’d. (Do not use High Productivity Pad)

I. MAINTENANCE

A. Initial Cleaning

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

B. Daily/Regular Cleaning

1. Remove all surface soil and debris by sweeping, mopping, or vacuuming.
2. Scrub with Ecore’s E-Cleaner and microfiber mop, buffer or auto scrubber with red pad or soft nylon brush.

C. Heavy Soil & Restoration

1. Remove all surface soil and debris by sweeping, mopping or vacuuming.
2. Aggressively scrub the floor with cleaner or stripper, brown or black pad, or auto scrubber or rotary scrubber.
3. Pick up solution with a wet vacuum, rinse with clean water, and allow to thoroughly dry (6-8 hours).

Warranty

Ecore (the “Seller”) warrants that the ECOsmash Tile surfacing system will be free from defects in materials and workmanship, and covers:

- 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.

This is a 5-year limited warranty, prorated as outlined in the warranty coverage schedule shown below.

Any segment of an ECOsmash Tile surface that meets the warranty criteria under normal non-abusive conditions, at the discretion of Ecore, 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 and in conjunction with the prorated warranty coverage schedule below.

If such a defect is discovered, the customer must notify Ecore either through the contracting installer, distributor, or directly. Please provide the following information: Ecore sales order number, description of the claimed defect, photographic images of claimed defect, date of the original installation, project name and your name, address, and phone number. The Seller will request any additional information and physical evidence 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 one (1) year following the original shipment of the product, the Seller shall only be responsible for a portion of the cost of the repair or replacement of such products as follows (and the buyer shall bear and pay the remaining portion of such costs):

<i>Number of years from date of original shipment to date of claim</i>	<i>Percentage of purchase price of product for which Seller is responsible</i>
<i>0-1 -----</i>	<i>100%</i>
<i>More than 1, but less than 2 -----</i>	<i>60%</i>
<i>More than 2, but less than 3 -----</i>	<i>40%</i>
<i>More than 3, but less than 4 -----</i>	<i>30%</i>
<i>More than 4, but less than 5 -----</i>	<i>20%</i>

This warranty does not cover:

- Product failure caused by accidents, misuse, natural disaster, vandalism, improper installation or maintenance or improper sub-surface preparation, or color change caused by exposure to UV and/or normal abrasion from pedestrian traffic.
- Ecore will not accept claims for damage caused by extreme high forces. Resilient flooring may suffer visible damage as a result of extreme high forces (up to 2,000 pounds per square inch). ECOsmash Tiles are not designed to perform under such concentrated high pressure.

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 ECOsmash Tile is installed only in high traffic areas or installed in combination with other surfacing products not sold by the Seller, such ECOsmash Tiles are excluded from this warranty.
- In the event of repair, replacement, or refinishing under this warranty, the warranty applicable to the replacement material or to the repaired or refinished 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.
- 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.
- **The ECOsmash Tile warranty shall not cover dissatisfaction due to improper 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 Ecore, slight shade variations or shade variations due to exposure to direct sunlight, or differences in color between samples or photographs and actual flooring.**



877.258.0843 – www.ecorecommercial.com

Manufactured in the U.S.A. by:



715 Fountain Ave – Lancaster, PA 17601

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