



## ECOsurfaces Tiles Over

### Access Panels

## 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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## Installation

### I. PRECAUTIONARY MEASURES

- A. Flooring to be installed over Access Panels or Raised Access Flooring should be a minimum of 6mm (¼-inch) thick.
- B. All tiles and adhesive must be acclimated for a minimum of **48 hours** before installation.
- C. Tiles intended to be permanently adhered shall be installed in accordance with the current version of the ECOsurfaces Technical Manual located on [www.ecosurfaces.com](http://www.ecosurfaces.com) .
- D. Tiles intended to be removed and replaced, e.g., over access panels, should be installed with a releasable adhesive deemed suitable by the installer and a bond test conducted.
- E. Installed all ECOsurfaces tiles from the same color group. Mixing multiple color groups may result in excessive gaps between tiles or causing the installation to be thrown out of square.
- F. All tiles are marked on the bottom with arrows and all arrows **MUST** point in the same direction when being installed. Failure to install directionally will result in an out-of-square installation.
- G. Installation should begin from the center of the room and working toward the perimeter walls.
- H. It may be necessary to lay out and hand select tiles for color consistency.
- I. Inspect tiles for visual defects, including shade variances prior to beginning the installation. No labor claim will be honored on material installed with visual defects. Any moderate to severe discrepancies should be reported immediately before beginning installation.
- J. ECOsurfaces tiles are manufactured from recycled materials and slight variance in shade and color chip dispersion is normal. It is the installer's responsibility to lay out tiles prior to installation and inspect them to ensure correct style, thickness, and color.
- K. Tiles manufactured from mats are intended for smaller installations. Larger quantities resulting in multiple dye lots may not be an exact match in shade or density. Every effort is made to ensure the best possible match; however, ECOsurfaces makes no warranty on the exact match between dye lots.

### II. ACCESS FLOORING RELEASABLE TILE INSTALLATION

- A. Be sure that the subfloor is dry, clean, smooth, level, and structurally sound. It should be free of dust, solvent, paint, wax, oil, grease, sealers, curing and hardening compounds, alkaline salts, adhesive residue, rust, and other extraneous material.
- B. It is highly recommended to find the center point of the room. Using a square and chalk line, snap two perpendicular chalk lines through the center of the room. These lines should be perfectly perpendicular to each other.
- C. Start from the intersection of the chalk lines and work outward; begin in any of the four quadrants.

- D. All tiles are marked on the bottom with arrows and all arrows **MUST** point in the same direction when being installed. Failure to install directionally will result in an out-of-square installation.
- E. Full spread a suitable releasable adhesive deemed suitable by the installer and bond tested.
- F. Laying tiles into the releasable adhesive must be done carefully. Make sure to not stretch or compress the tiles in any way to make them fit. Stretched tiles can eventually result in gaps and over compression can result in peaking.
- G. Tiles placed over access flooring shall be arranged in such a way so that the edges of the panels do not coincide with the edges of the tiles.
- H. For smaller panels, the tile can lay directly over the panel with the tile covering all of the edges of the panel. See Diagram 1. For panels too large to be covered with one tile, place the tiles with the meeting edge placed on the centerline of the panel. Or place four tiles so that all four corners meet at the center of the panel. See Diagram 2.
- I. Follow releasable adhesive manufacturer's instructions, especially regarding flash time. Allow adhesive to totally flash off before laying tiles into it. Not allowing adhesive to adequately flash may result in a permanently adhered installation.
- J. Be sure that all tiles are installed with the directional arrows pointing in the same direction. The directional arrows can be found on the bottom of each tile. After all tiles are laid into the adhesive bed the floor should be rolled with a 100-pound floor roller.

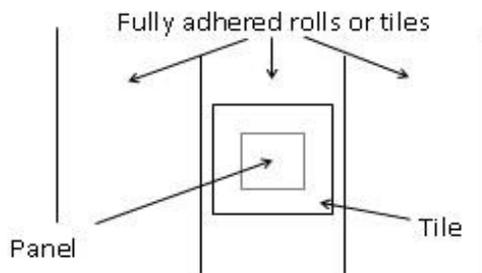


DIAGRAM 1

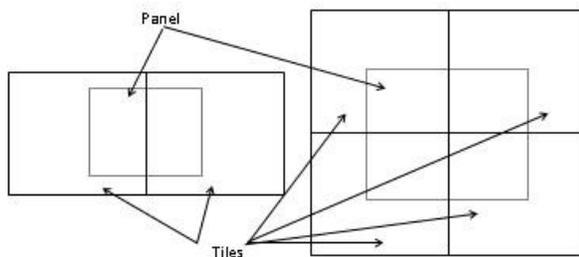


DIAGRAM 2

**Please Note:**

- A. Installation of ECOsurfaces using releasable adhesive is suggested as a method in which the tiles can easily be removed for access under raised platforms and access flooring.
- B. An adhesive bond test is recommended
- C. Some gapping between tiles is possible and is not a warrantable condition or a defect in the ECOsurfaces flooring.
- D. Installations should be performed by a qualified flooring contractor familiar with this type of installation, following the procedures as outlined in this manual. **ECOsurfaces accepts no liability due to the craftsmanship of the installer or failure to follow proper procedures as outlined in these instructions.**

**Maintenance**

**Important information for the specifier**

ECOsurfaces recommends our environmentally friendly line of maintenance products, including E-Cleaner.

Proper protection and maintenance of flooring post-installation should be specified by the architect/designer. ECOsurfaces products must not be subjected to construction debris and damage from construction activities. The specifier should include details to protect the floor until job and construction are complete and floor is thoroughly cleaned.

Areas of the flooring that are subject to direct sunlight through doors or windows shall have the doors or windows covered for such time until the installation of the material is complete.

**Assignment of cleaning and maintenance**

The specifier should determine and assign the responsibility for the initial cleaning. This responsibility should be specifically assigned to the flooring contractor, general contractor, maintenance contractor or owner.

**Cleaning and Finishing – UNCOATED ECOsurfaces**

Steps	Cleaner and Stripper	Dilution	Diluted Coverage	Pads & Brushes
Initial Cleaning (uncoated)	E-Cleaner	10 oz./gal. water	2,000 sq. ft./gal.	Microfiber mop, Soft Nylon Brush or 3M 5100 Red pad or equal
Finishing	E-Finish	None	1,500 sq. ft./gal.	Apply E-Finish with microfiber mop
Daily Cleaning (uncoated)	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 and Restorative Cleaning <b><u>Uncoated</u></b> Surfaces	E-Cleaner  E-Strip	10 oz./gal. water  16-32 oz./gal. water	2,000 sq. ft./gal.  1,200 sq. ft./gal.	3M 7100 Brown or 7200 Black stripper pad or equal. <b>(DO NOT USE a High Productivity pad)</b>

## 1. Cleaning – **UNCOATED** ECOsurfaces

### B. Initial Cleaning

1. Remove all surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming.
2. Scrub floor with E-Cleaner, using buffer or auto scrubber with pad per table above or soft nylon brush over uncoated ECOsurfaces.
3. Pick up solution with a wet vacuum, rinse with clean water, and allow to dry thoroughly (6-8 hours).

### C. Initial Floor Finish Application

1. Finish options:
  - a. E-Finish for a low satin finish. Apply 2-3 thin coats of finish. Work finish into flooring with a soft nylon brush or microfiber mop and let it thoroughly dry between coats.
2. Provide sufficient cure time of the final coat before allowing foot traffic (at least 2 hours).

### D. Daily/Regular Cleaning

1. Sweep, dust mop, or vacuum floor to remove surface soil, debris, sand, and grit.
2. Damp mop with a microfiber mop or auto-scrub with a soft nylon brush or microfiber mop using E-Cleaner low foam cleaner.

**Note:** FLOORS TREATED WITH E-Finish - When cleaning floors finished with E-Finish, use only a microfiber mop and nylon brush. Pads will remove finish on floors treated with E-Finish.

### E. Restorative Maintenance

**Note:** Stripping the finish is not needed until there is a noticeable accumulation of dirt and contaminants embedded in the finish. Normally this accumulation occurs in hard-to-reach and high traffic areas. Following a good maintenance program, and applying thin coats of finish when the look calls for it, and only where it is needed, will result in little finish build-up, increasing the time between stripping.

1. Sweep or vacuum to remove loose soil.
2. Heavy scrub using a rotary scrubber or automatic scrubber with pad per table above and stripper solution of E-Strip.
3. Pick up solution with wet vac.
4. Rinse with clean water. **Do not flood the floor**
5. Allow floor to thoroughly dry.
6. Apply floor finish following initial finish application instructions.

### F. Heavy Soil

1. Hard-to-clean and greasy areas may require a higher concentration of E-Cleaner and may require a restorative maintenance.

### IMPORTANT MAINTENANCE TIPS

- Wait for floor to dry thoroughly before applying floor finishes, usually 24 hours.
- Apply only thin coats of floor finishes with finish mop.
- For gum, freeze with ice and pry off floor. Generic gum removers can be solvent-based and should be rinsed well with water to avoid damaging the floor or remove any finish.
- Avoid flooding the floor.

**2. Cleaning – ECOguard-Coated ECOsurfaces**

Steps	Green Products	Dilute	Tools
Initial Cleaning	E-Cleaner	10 oz. / Gal Water	Microfiber Mop, Soft Nylon Brush, White or Beige pad
Daily/Weekly Cleaning	E-Cleaner	2-4 oz. / Gal Water	Microfiber Mop, Soft Nylon Brush, White or Beige pad
Heavy Soil	E-Cleaner	10 oz. / Gal Water	Microfiber Mop, Soft Nylon Brush, White or Beige pad

**A. Initial Cleaning**

**NOTE:** Adhesive should have 24 hours minimum to cure before cleaning floor.

1. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
2. Scrub with E-Cleaner and a low-speed scrubber or auto scrubber with a soft nylon brush or pads from table above. If soil is minimal, a microfiber mop may be used.
3. Wet vac, damp mop and allow floor to dry.

**B. Optional E-Finish Floor Finish**

1. Maintain temperature at 65° F for 72 hours before and after application.
2. Apply 2-3 thin coats with microfiber mop and let thoroughly dry between coats (1-2 hours).
3. Provide sufficient cure time of the final coat before allowing foot traffic (at least 3 hours).

**Note:** FLOORS TREATED WITH E-Finish - When cleaning floors finished with E-Finish, use only a Microfiber Mop, Soft Nylon Brush, or White or Beige pad.

**C. Daily/Weekly Cleaning**

1. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
2. Damp mop or scrub floor using E-Cleaner or equivalent with a soft nylon brush or microfiber mop. For heavier scuff marks, a more aggressive pad may be used.
3. Clean remaining residue from floor with a wet vac and damp mop floor. Allow floor to dry thoroughly before introducing foot traffic.

**D. Heavy Soil Cleaning**

1. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
2. Scrub floor using E-Cleaner with a soft nylon brush or more aggressive recommended pad. "Follow Dilution Schedule" above.
3. Pick up remaining residue with a wet vac and damp mop floor. Allow floor to dry.

**E. Stripping ECOguard**

1. ECOguard is difficult to completely remove and may require several attempts with the approved stripping pad and E-Strip. Anything used to chemically remove the sealer will jeopardize the integrity of the rubber.
2. Use 16 to 32 oz. E-Strip / gallon cold water & low-speed buffer and black stripping pad.
3. Apply a liberal amount of diluted stripper to floor and allow to sit for 5-10 minutes. Work buffer from side to side until sealer is removed. This may require several attempts and effectiveness will be influenced by unevenness in the substrate.

4. **CAUTION – A standard black pad** should be the most aggressive pad used. **DO NOT USE high-performance black pads such as 3M’s 7300 series or floor damage may result.** ECOsurfaces assumes no liability in the event of damage to the rubber in the removal process. ECOguard is considered a permanent sealer and not intended to be stripped from the rubber as a standard procedure.
5. To re-apply sealer, see E-Finish (above) or LOBADUR® 2K InvisibleProtect below.

**CAUTION – A “standard” black pad** should be the most aggressive pad used **and only for restorative maintenance purposes.** A **High Productivity Black pad such as 3M’s 7300 is not to be used; it will act as a sander and damage the rubber.** ECOsurfaces assumes no liability in the event of damage to the rubber in the removal process.

**Note:** If area is too small for a buffer or auto scrubber, a **nylon** deck brush may be used to remove scuff marks or heavy soil.

### 3. **LOBADUR® 2K InvisibleProtect**

#### **Description**

LOBADUR® 2K Invisible Protect is an interior, matte finish, 2-component waterborne coating.

#### **Tools / Materials Required**

Safety glasses	Trash bags	LOBATOOL Roller Deluxe 120
Latex or rubber gloves	Rags	
Paint roller tray	Applicator trim pads	

#### **LOBADUR® 2K InvisibleProtect surface prep.**

##### **A. Precautionary Notes**

1. An improperly prepared surface can act as a bond breaker and result in a project failure. It is important to remove all dirt, grease, wax, oil, paint, or other contaminants before applying the LOBADUR® 2K InvisibleProtect.

**Note:** The LOBADUR® 2K InvisibleProtect can be applied over the factory applied ECOguard finish after lightly stripping the ECOguard finish.

2. Apply each coat to entire space in one step rather than in sections for best results. Work from one side of room to the other with scrubbing motion and keep a wet edge.
3. Use microfiber pad to apply; use foam pad to cut in and for perimeter.
4. **Do not use string mops or other applicators to apply! The use of mops may result in a poor application and complete removal may be required.**
5. Full cure achieved in 5-7 days; extra coats extend cure time. See “Application” below.

##### **B. Application of LOBADUR® 2K InvisibleProtect**

1. Wait until adhesive is fully cured, and floor has been cleaned and it is fully dried.
2. Acclimate the Origins and LOBADUR® 2K InvisibleProtect to room temp. Do not apply at temperatures below 55°F.
3. Shake larger base container well.

4. Pour contents of small, .09 gal can of hardener into larger, base .91 gallon container (ratio of 10:1) and shake to mix. For smaller quantities, use ratio of 10:1 and shake to mix. Pot life: 2 hrs.



5. Apply using LOBATOOL Roller Deluxe 120 and paint tray. Coverage with LOBATOOL Roller Deluxe 120 roller is 400-500 sq. ft. / gal.



6. **NOTE: For a generic roller, use a 3/8" short nap microfiber roller. They are prone to under-application, lap lines and roller marks. Ensure enough LOBADUR® 2K InvisibleProtect is on floor for leveling agents to work.**

**NOTE: Avoid streaks, puddles, and lap marks. Do not thin. Do not add water.**  
**Note: Maintain adequate ventilation during coating and drying process.**

7. Earliest recoating after 4-6 hours. Apply second coat at right angle to first.
8. Clean up immediately with water; Remove spills and drips immediately from other surfaces.
9. Light foot traffic after 24 hours; floor is still susceptible to scuffing / marring. Protect as required. Wait 48 hours before cleaning or placing furniture.
10. Plasticizer containing materials e.g., rubber furniture pads or chair mats, may lead to discoloration of finish. Use felt furniture pads.

**C. Cleaning ECOsurfaces Coated with Field-Applied LOBADUR® 2K InvisibleProtect**

Steps	Products	Dilute	Tools
Initial Cleaning	E-Cleaner	10 oz. / Gal Water	Microfiber Mop, Soft Nylon Brush, or Red pad
Daily/Weekly Cleaning	E-Cleaner	2-4 oz. / Gal Water	Microfiber Mop, Soft Nylon Brush, or Red pad
Heavy Soil Cleaning	E-Cleaner	10 oz. / Gal Water	Microfiber Mop, Soft Nylon Brush, Red or Black pad

**1. Initial Cleaning**

- A. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
- B. Scrub with E-Cleaner and scrubber, brush or pads from table above.
- C. Wet vac, damp mop and allow floor to dry.

## 2. Daily/Weekly Cleaning

- A. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
- B. Scrub with E-Cleaner and scrubber, brush or pads from table above.
- C. Wet vac, damp mop and allow floor to dry.

## 3. Heavy Soil Cleaning

- A. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
- B. Scrub floor with E-Cleaner with a soft nylon brush or pads from table above, following dilution schedule above.
- C. Wet vac, damp mop floor and allow floor to dry.

**Note:** If area is too small for a buffer or auto scrubber, a **nylon** deck brush may be used to remove scuff marks or heavy soil.

## D. Stripping **LOBADUR® 2K InvisibleProtect**

1. LOBADUR® 2K InvisibleProtect is difficult to completely remove and may require several attempts with the approved stripping pad and E-Strip. Anything used to chemically remove the sealer will jeopardize the integrity of the rubber.
2. Use 32 oz. (1 qt.) E-Strip / gallon cold water & low-speed buffer & Black stripping pad.
3. Apply a liberal amount of diluted stripper to floor and allow to sit for 5-10 minutes. Work buffer from side to side until sealer is removed. This may require several attempts and effectiveness will be influenced by unevenness in the substrate.
4. **CAUTION – A standard black pad should be the most aggressive pad used. DO NOT USE high-performance black pads such as 3M’s 7300 series or floor damage may result. ECOsurfaces assumes no liability in the event of damage to the rubber in the removal process. LOBADUR® 2K Invisible Protect is considered a permanent sealer and not intended to be stripped from the rubber as a standard procedure.**
5. To re-apply the LOBADUR® 2K InvisibleProtect, please see “Coating Instructions” above.

## Warranty

All ECOsurfaces rubber flooring is guaranteed to be free from manufacturing defects on both material and workmanship. If such a defect is discovered, the customer must notify ECOsurfaces either through the contracting installer, distributor, or directly. If found to be defective within five years under normal non-abusive conditions, the sole remedy against the seller will be the replacement or repair of the defective goods, or at the seller's option, credit may be issued not exceeding the selling price of the defective goods.

ECOsurfaces 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** – ECOsurfaces warranty does not apply to the following.

1. The exact matching of shade, color, or mottling.
2. Any express 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. With respect to "seconds" or "off goods," such 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 car tires.
12. Installation of ECOsurfaces products 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.

These warranties are in lieu of any other warranty expressed or implied. ECOsurfaces shall not be liable for any incidental or consequential damages which may result from a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. These warranties give you specific rights, and you may also have rights which may vary from state to state. To know what your legal rights are in your state, consult your local or state Consumer Affairs Office or your State Attorney General. For latest warranty information please visit [www.ecosurfaces.com](http://www.ecosurfaces.com).



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