

ecore™

Commercial

TECHNICAL MANUAL

Installation · Maintenance · Warranty

Manufactured in the U.S.A. by

ecore

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Supersedes all previous versions.
Check website for updates.

ECOsurfaces Tiles Over Access Panels

Installation

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Installation

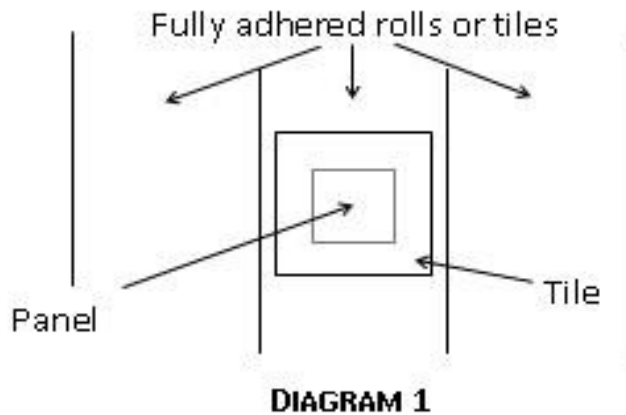
I. PRECAUTIONARY MEASURES

- A. Flooring to be installed over Access Panels or Raised Access Flooring should be a minimum of 6mm (¼-inch) thick.
- B. All rubber tiles and adhesive must be acclimated for a minimum of **48 hours** before installation.
- C. Permanently adhered tiles, i.e., those tiles not installed over access panels, shall be installed in accordance with the current version of the ECOsurfaces Technical Manual located on www.ecorecommercial.com.
- D. Tiles installed over access panels, i.e., those tiles that will be removed and replaced, should be installed with a suitable releasable adhesive such as Mapei Ultrabond ECO 885 Universal Carpet Adhesive, per Mapei's instructions for use, trowel size, etc.
- E. All ECOsurfaces tiles must be installed 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. Failure to install directionally will result in an out of square installation.
- G. Installation should begin from the center of the room 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 be not be an exact match in shade or density. Every effort is made to ensure the best possible match; however, Ecore makes no warranty on the exact match between dye lots.

II. ACCESS FLOORING (releasable)

- 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 make two perpendicular lines through the center of the room. These lines should be perfectly square.
- C. Starting from the center and working outward can begin in any of the four quadrants.

- D. It is extremely important to lay all tiles in the same direction. Directional arrows are stamped on the bottoms of the tiles for this purpose.
- E. Full spread a suitable releasable adhesive such as Mapei Ultrabond ECO 885 Universal Carpet Adhesive, per Mapei's instructions for use, trowel size, etc.
- 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 so that two tiles join with their adjacent seam coincident with the centerline of the panel. Alternatively, place four tiles so that all four corners meet at the center of the panel. See Diagram 2.
- I. Place the tiles so that all four corners of four separate tiles meet at the center of the panel. See Diagram 3.
- J. Install the tiles using releasable adhesive
- K. Allow adhesive to totally flash off before laying tiles into it. Not allowing adhesive to flash will result in a permanently adhered installation.
- L. 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 3 sectional flooring roller.



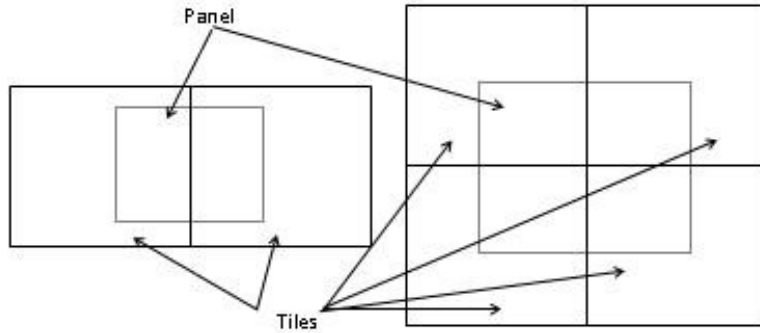


DIAGRAM 2

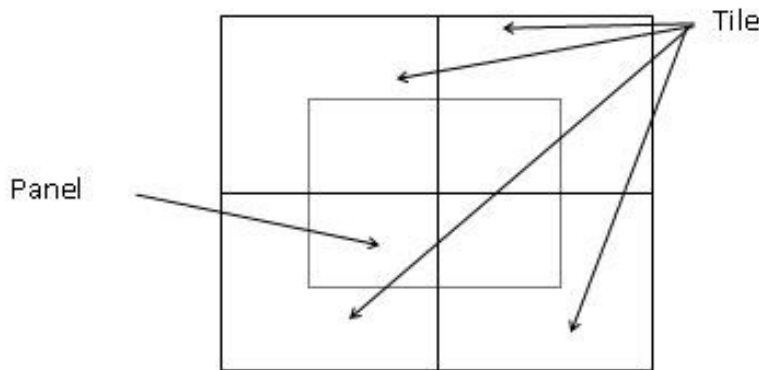


DIAGRAM 3

Installation of ECOSurfaces using releasable adhesive is suggested as a method in which the tiles can easily be removed. This type of installation is recommended for access under raised platforms and access flooring. Installations should be performed by a qualified flooring contractor familiar with this type of installation. It is the responsibility of the contracted installer to ensure a successful installation following the procedures as outlined in this manual. **Ecore accepts no liability due to the craftsmanship of the installer or failure to follow proper procedures as outlined in these instructions.**

Ecore recommends Mapei Ultrabond ECO 885 Universal Carpet Adhesive, per Mapei's instructions for use, trowel size, etc., for installation over access flooring. Releasable adhesives are designed in a manner in which the flooring product can easily be removed for access to the breezeway below. Some small gapping between the tiles is possible and is not a warrantable condition or a defect in the flooring product. **Ecore 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:

Ecore recommends our environmentally friendly E-Cleaner, E-Strip, and E-Finish Maintenance Products and Procedures for ECOsurfaces.

Proper protection and maintenance of ECOsurfaces post-installation should be specified by the architect/designer. ECOsurfaces should not be subject to construction debris and potential damage caused from heavy duty construction activities. The specifier should determine and assign the specific type of cleaning and products, dependent upon the type of material being installed.

FLOOR PROTECTION, CLEANING AND MAINTENANCE

It is the responsibility of the specifier to provide the following.

Specification details to protect the floor post-installation and until job construction is complete, such as covering the entire floor with paper or other floor covering. This includes plastic, plywood, or masonite, until construction is complete.

The specifier should determine and assign the responsibility for the initial cleaning and finishing of ECOsurfaces. This responsibility should be specifically assigned to the flooring contractor, general contractor, maintenance contractor, or owner. All ECOsurfaces published procedures shall be followed.

It is the General Contractor's responsibility to provide the following.

A building or installation area that is fully enclosed from the elements. The roof, windows, and doors shall be finished.

Temperature shall be climate controlled with a minimum uniform temperature of 65° F for 48 hours prior to, during, and after the ECOsurfaces flooring installation, so the flooring contractor can acclimate the flooring materials.

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 ECOsurfaces material is complete.

Protect ECOsurfaces from damage and construction debris by using an appropriate floor covering. All sections shall be fully covered until such time that the recommended initial cleaning may be performed.

UNCOATED CLEANING INSTRUCTIONS

Steps	Green Products	Dilute	Diluted Coverage	Pads & Brushes
Initial Cleaning	Ecore's E-Cleaner	10 oz./gal. water	2,000 sq. ft./gal.	Microfiber mop, Soft Nylon Brush or 3M 5100 Red Pad or equal
Finishing	Ecore's E-Finish	None	1,500 sq. ft./gal.	Apply E-Finish with microfiber mop
Daily Cleaning	Ecore's 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 "Uncoated" Surfaces	Ecore's E-Strip	16 oz./gal. water	1,200 sq. ft./gal.	Brown or black stripper pad

NOTE: For factory coated ECOsufaces Tiles, please refer to instructions starting on page 10 of this manual.

I. Ecore CLEANING AND FINISHING PROGRAM

A. Initial Cleaning

1. Remove all surface soil, debris, sand, and grit by sweeping, dust mopping, or vacuuming.
2. Scrub floor with Ecore's recommended E-Cleaner, using buffer or auto scrubber with an approved* pad or soft nylon brush over uncoated ECOsufaces.
3. Pick up solution with a wet vacuum, rinse with clean water, and allow to dry thoroughly (6-8 hours). **Do not flood the floor**

B. Initial Floor Finish Application

1. Finish options:
 - a. Ecore's 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).

C. 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 Ecore's approved 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.

D. 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 an approved pad and stripper solution Ecore's 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.

E. Heavy Soil

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

IMPORTANT MAINTENANCE TIPS

- Refer to ECOguard Maintenance Section for Factory Coated ECOsurfaces.
- Use high CFM vacuum.
- Wait for floor to dry thoroughly before applying floor finishes, usually 24 hours.
- Apply only thin coats of floor finishes with finish mop. Buff finish into the floor with a soft nylon brush.
- For stripping floors, use E-Strip and a black or brown pad. Rinse thoroughly with clean water.
- For gum, use any generic gum remover. However, any solvent-based product should be rinsed well with water to avoid damaging the floor. Gum remover will also remove finish.
- For high traffic areas, top scrub and recoat floor as needed.
- Avoid flooding the floor.

ECOguard Clear Coat Sealer Instructions

Description

ECOguard is a water based, clear polyurethane maintenance coat. ECOguard is formulated for interior applications and offers excellent environmental resistance to abrasion and impact. It also offers an attractive matte finish.

Tools / Materials Required

Safety glasses	Trash bags
Latex or rubber gloves	18" stir sticks
21" paint tray or rectangular mop for sealer	Drill
Applicator trim pads	Rags
Automatic buffer	Microfiber mop
Utility knife	Microfiber mop cover
	Paint mixer paddle

SURFACE PREPARATION

- A. 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 ECOguard. ECOguard can be applied over the existing factory applied finish after all construction debris and soil have been removed from the surface.

I. PRECAUTIONARY MEASURES

- A. Suggested to allow ECOguard to cure for 48 hours before cleaning.
- B. Suggested to allow ECOguard to cure for 48 hours before rolling chairs and dollies.
- C. Suggested to allow ECOguard to cure for 24 hours before introducing foot traffic.
- D. If traffic and/or rolling loads need to be introduced earlier than listed above, the surface should be protected with an appropriate plywood or Luan.
- E. Remove ECOguard spills and drips immediately from other surfaces before dry.
- F. Suggested not to re-use microfiber pads after applying ECOguard.
- G. Seal floor in one step rather than in sections for best results.
- H. If sealer dries on microfiber pad, replace with new microfiber pad for best results.
- I. Sealer will obtain full strength in 5-7 days. Care should be taken during the first 5-7 days to prevent damage to the coating. Extra coats will extend the curing cycle.
- J. Do not use string mops or other unapproved applicators to apply ECOguard. The use of unapproved mops may result in a poor application of the sealer and complete removal may be required.
- K. Work from one side of the room to the other using a scrubbing motion with microfiber mop keeping a wet edge.

II. APPLICATION METHODS

- A. Application Of ECOguard Over Uncoated ECOsides
 - 1. **IMPORTANT: Stir the ECOguard thoroughly before application to ensure consistent sheen.** Stir sealer for 3-5 minutes or until all sediment at bottom of pail is mixed.
 - 2. Safety glasses should be worn when mixing, pouring, or applying ECOguard.
 - 3. Apply first coating of ECOguard to the rubber surface using Ecore's recommended microfiber mop. An applicator trim pad may be used for areas around the perimeter.
 - 4. An additional one to two coats are recommended and an ample amount of time is required between coats. Allow each coat to dry thoroughly to touch before applying the next coat, about 2 - 4 hours.
 - 5. Over unfinished rubber, the coverage rate is approximately 400-500 sq ft per gallon. Second and third coat coverage is approximately 600-800 square feet per gallon.
 - 6. Apply ECOguard when surface temperature is 65 degrees Fahrenheit or higher and maintained for 72 hours before and after installation.
 - 7. Wear rubber or latex gloves when applying ECOguard. Sealer will not harm the skin but is difficult to remove once it dries. Wash hands immediately after contact with ECOguard with soap and water.
 - 8. Allow ECOguard to cure for 48 hours before cleaning the surface.
- B. Application Over Existing ECOguard Factory Applied Sealer
 - 1. Factory coated product should not require additional field coats. Should an additional coat be requested, one should suffice.
 - 2. **IMPORTANT: Stir the ECOguard thoroughly before application to ensure consistent sheen.** Stir sealer for 3-5 minutes or until all sediment at bottom of pail is mixed.
 - 3. Safety glasses should be worn when mixing, pouring, or applying ECOguard.

4. Wear rubber or latex gloves when applying ECOguard. Sealer will not harm the skin, but is difficult to remove once it dries. Wash hands immediately after contact with ECOguard with soap and water.
 5. Apply ECOguard when surface temperature is 65 degrees Fahrenheit or higher and maintained for 72 hours before and after installation.
 6. Apply one coating of ECOguard to the rubber surface using Ecore's recommended microfiber mop. An applicator trim pad may be used for areas around the perimeter.
 7. Additional coats are acceptable and an ample amount of time is required between coats. Allow each coat to dry thoroughly before applying the next coat, about 2-4 hours.
 8. Coverage rate is approximately 600-800 square feet per gallon over previously coated surfaces.
 9. Allow ECOguard to cure for 48 hours before cleaning the surface.
- C. Surface Preparation and Re-Application of ECOguard Sealer
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 re-applying ECOguard. ECOguard can be applied over the existing factory applied finish after all construction debris and soil have been removed from the surface.
 2. It is recommended to clean the surface thoroughly with a buffer or auto scrubber using a 3M red or aqua pad. Keep in mind that these pads will slightly abrade the finish and continued use will remove the sealer. Cleaning with these pads will slightly abrade the finish, creating an acceptable surface to apply the new finish coat.
 3. **NOTE:** Manufacturers make different pads of different texture in like colors. It is recommended to contact Ecore Commercial Floorings Technical Service Department for guidance in pad selection.
 4. **Stir the ECOguard thoroughly before application to ensure consistent sheen.**
 5. Apply one coating of ECOguard to the rubber surface using Ecore's recommended microfiber mop. An applicator trim pad or 4" roller may be used for areas around the perimeter.
 6. Additional coats are acceptable and an ample amount of time is required between coats. Allow each coat to dry thoroughly before applying the next coat, about 2-4 hours.
 7. Coverage rate is approximately 600-800 square feet per gallon over previously coated surfaces.
 8. Apply ECOguard when surface temperature is 65 degrees Fahrenheit or higher and maintained for 72 hours before and after installation.
 9. Safety glasses should be worn when mixing, pouring or applying ECOguard.
 10. Wear rubber or latex gloves when applying ECOguard. Sealer will not harm the skin but is difficult to remove once it dries. Wash hands with soap and water after contact.
 11. Allow ECOguard to cure for 48 hours before cleaning the surface.
- D. Removal / Stripping ECOguard Sealer
1. ECOguard is difficult to completely remove from the surface of the rubber and may take several attempts. ECOguard is removed by abrasion using an approved stripping pad. Anything used to chemically remove the sealer will jeopardize the integrity of the rubber.
 2. To remove, use E-Strip 42 ounce per gallon water and a buffer fitted with a black or brown stripping pad. Manufacturers make different pads of different texture in like colors. **It is recommended to contact Ecore Commercial Floorings Technical Service Department for guidance in pad selection: 877-258-0843.**
 3. Apply a liberal amount of diluted stripper to the surface of the rubber and work buffer from one side to the other until sealer is removed. Successfully removing the sealer will be dependent on undulations in the substrate and may take several passes with the buffer or auto scrubber.

Maintenance for ECOSurfaces Coated with ECOguard

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

A. Initial Cleaning

NOTE: Sealer should have 48 hours minimum to cure before introducing moisture.

1. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
2. Scrub floor with Ecore's recommended E-Cleaner, using a buffer or auto scrubber with a soft nylon brush. We recommend a 175 RPM buffer or auto scrubber. If soil is minimal, a microfiber mop may be used.
3. Pick up remaining residue with a wet vac and damp mop floor. Allow floor to dry.

B. Daily/Weekly Cleaning

1. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
2. Damp mop or scrub floor using Ecore's recommended E-Cleaner or equivalent with a soft nylon brush or microfiber mop. For heavier scuff marks, a more aggressive pad may be used. **Please contact Ecore's Technical Department for guidelines on pad selection at 877-258-0843**
3. Clean remaining residue from floor with a wet vac and damp mop floor. Allow floor to dry thoroughly before introducing foot traffic.

C. Heavy Soil Cleaning

1. Remove all surface soil, debris, sand, and grit by sweeping or vacuuming.
2. Scrub floor using Ecore's recommended E-Cleaner with a soft nylon brush or more aggressive recommended pad. **Contact Ecore's Technical Department for aid in pad selection.** "Follow Dilution Schedule" above.
3. Pick up remaining residue with a wet vac and damp mop floor. 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. Brush should be approximately 22 gauge.

Approved Cleaning / Stripping Pads

Manufacturer	Cleaning	Stripping
3 M	White 4100, Beige 4200	Black 7200, Brown 7100, Blue 5300
Taski	White	Black, Purple
ECOLAB	White	Black

Warranty

All Ecore 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 Ecore 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 Ecore, 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 Ecore 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 Ecore Commercial Flooring 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 Ecore Commercial Flooring.
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 Ecore Commercial Flooring.
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. Ecore Commercial Flooring 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 complete and latest warranty information please visit www.ecorecommercialflooring.com.



800-258-08431 – www.ecorecommercial.com

Manufactured in the U.S.A. by:



715 Fountain Ave – Lancaster, PA 17601

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