

## Mangrove Products – Care & Maintenance Guidelines

At Mangrove, we take great pride in the craftsmanship, design, and innovation that goes into each piece we create. Every product is the result of a hands-on, human-centered, process that blends material experimentation with thoughtful design intent.



Your satisfaction matters deeply to us. If you have any questions, feedback, or thoughts about your new product, please do not hesitate to reach out. We would love to hear from you.

Thank you for choosing Mangrove and for allowing us to be a part of your space. We hope you enjoy this piece as much as we enjoyed bringing it to life.

---

### 1. General Cleaning

- Clean surfaces with a soft brush or cloth and mild, pH-neutral detergent diluted in water.
- Avoid high-pressure washing, which may degrade the surface over time.
- Rinse thoroughly with clean water to remove any detergent residue.
- Do not use acidic or caustic cleaners (e.g., bleach, vinegar, muriatic acid). We recommend using mild, non-abrasive, non-ammonia, non-citric acid, non-vinegar, non-bleach soaps and cleaners.

---

### 2. Stain Removal

- Address stains promptly. For organic materials (e.g., leaves, food, bird droppings), clean with warm soapy water.
- For more stubborn stains, use a cleaner specifically formulated for use on concrete and test on an inconspicuous area first.
- For removing heavier grease, products like *Simple Green* or *ZEP* are trusted, off-the-shelf, formulas that are non-abrasive and have a mild alkaline or neutral pH.

---

### 3. Surface Protection

- Mangrove products may be treated with a breathable concrete sealer prior to delivery. This helps resist moisture, staining, and freeze-thaw degradation.
- Reapplication of sealer is recommended every 1–3 years depending on exposure conditions. Follow the product specific instructions of the sealer used.

#### 4. Weathering & Patina

- Concrete is a natural material and may develop a patina or color variation over time due to environmental exposure.
  - These changes are cosmetic and do not affect the structural integrity of the product.
- 

#### 5. Winter Care

- In cold climates, remove snow using plastic shovels or soft tools to prevent surface scratching.
  - Avoid using de-icing salts or chemicals near Mangrove products, especially if surface sealing has degraded.
- 

#### 6. Avoiding Damage

- Do not drag heavy or sharp objects across the surface.
  - Avoid direct contact with paints, solvents, oils, and acidic compounds.
- 

#### 7. Structural Inspections

- Conduct periodic inspections (annually) to check for cracks, chips, or changes in load-bearing surfaces.
  - Report and assess any structural changes with a Mangrove representative for review and possible remediation.
- 

#### 8. Repairing Cracks, Chips, or Stains

- One of the benefits of concrete materials is that damage such as cracks, chipping, or stains is repairable in many cases.
- If you live in the Great Lakes region, you can schedule chip repair or re-sealing services which would be performed by Mangrove for a minimal charge to cover time, travel, and material costs. Simply call us at (616) 271-6800 to schedule an appointment.
- If you are outside the Great Lakes region and/or wish to repair your product on your own, we offer guidelines and recommendations for:
  - Chip Repair Kit
  - Sealer Repair Kit
- Depending on project complexity and size, some repairs may require multiple trips to complete.

## 9. Warranty Note

- Improper maintenance, including the use of unapproved cleaners, high-pressure washing, or failure to reseal as recommended, may void product warranty.
- Refer to the full Mangrove Product Warranty for additional information.

---

For questions or support related to maintenance, contact:

Mangrove Product Support  
Email: [support@mangrove3d.com](mailto:support@mangrove3d.com)  
Phone: (616) 271-6800  
Website: [mangrove3d.com](http://mangrove3d.com)