

# Bio Block

Bio-Based Algae Prevention Coating for Porous Surfaces

**FlameOFF Bio Block** is a bio-based, waterborne coating specifically engineered to prevent algae growth on a variety of porous surfaces. It has zero VOCs and is environmentally friendly. This innovative coating provides long-lasting protection while maintaining the natural look of your surfaces. Protect your outdoor spaces from unsightly and damaging algae growth with FlameOFF Bio Block, the eco-friendly solution for cleaner, healthier environments.

## APPLICATIONS / SURFACES

FlameOFF Bio Block is a versatile solution ideal for **exterior and interior** applications:

- Cement & concrete
- Stone surfaces
- Grout
- Masonry blocks
- Brick pavers
- Walkways & driveways
- Roof tiles (comp & slate shingles)
- Wood fencing & some vinyl siding

**Note:** Avoid using product on polished limestone/marble as it may dull the finish.

## PHYSICAL CHARACTERISTICS

Appearance	Colorless to pale yellow
Finish	Clear
Odor	Mild
Base Type	Water-based
Flash Point	N/A
VOC	0 g/L
Weight per Gallon	8 lb/gallon

## KEY FEATURES

- Bio Based
- Environmentally Friendly

- Water repellent
- Anti Bacterial

## COVERAGE & PERFORMANCE

**Coverage Rate:** 400-800 sq ft/gallon  
Varies with porosity and texture of substrate

**Expected Wear:** 6 months to 2 years  
Under normal conditions. Reapply as needed.

## DRYING TIME

**Touch Dry:** 3-5 minutes  
**Dry Through:** 30-60 minutes  
**Full Cure:** 12 hours  
At 77°F, 50% RH

## SURFACE PREPARATION

**Test Area:** Always test FlameOFF Bio Block in an inconspicuous location to ensure performance and compatibility with the surface.

- Ensure the surface is clean, dry, and any existing algae or mold has been removed
- Remove all algae, dust, dirt, and other foreign materials
- Rinse with water using a pressure washer if needed
- Once dry, use painter's tape to mask off adjacent areas to prevent unintended coating

## APPLICATION INSTRUCTIONS

1. Ensure the surface is properly prepared, clean, and dry
2. If applying outdoors, ensure temperature is between **45°F and 105°F**, with 90% relative humidity or less
3. Shake the container for several minutes to re-suspend settled nanoparticles
4. Re-shake every 15-20 minutes during application to maintain performance
5. Use a trigger sprayer, pump sprayer or airless sprayer for application (roller may also be used but spraying is recommended)
6. Apply a generous saturating coat in a circular pattern to ensure complete coverage
7. Let dry for 2-5 minutes (temperature-dependent), then apply second coat wet on tack; on vertical surfaces start at the top and work down

## CARE & MAINTENANCE

### EXTERIOR SURFACES

Hose off with a garden hose equipped with a pistol grip sprayer.

### INTERIOR SURFACES

Use a damp towel, rinse with fresh water, and dry.

To reapply, follow the application instructions; there is no need to strip off the original coat.

## SAFETY CAUTIONS

- In case of skin contact, wash thoroughly with soap and water
- Always wear safety goggles or a splash shield to avoid eye contact
- Do not wear contacts without eye protection
- If sealer gets into eyes, flush with water for 15 minutes; if irritation persists, seek medical attention
- If accidentally swallowed, rinse mouth thoroughly with water; if irritation exists, seek medical attention
- Use caution applying around ponds and sensitive vegetation

**Important:** While FlameOFF Bio Block is bio-based and environmentally friendly, it is not to be used for algae prevention in ponds or pools.

### FlameOFF Coatings

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Contact technical sales for product inquiries and large volume orders.

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