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	8.34 lb/gal, 1 kg/L

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.

LIMITED WARRANTY

FlameOFF® Coatings warrants that this product will be free from defects. Any material found to be defective will be replaced in alike quantity by the manufacturer within **2 years** from the date of purchase.

Proof of purchase and evidence of proper application required. This warranty is not transferable.

FlameOFF® Coatings

info@flameoffcoatings.com | www.flameoffcoatings.com

Contact technical sales for product inquiries and large volume orders.

Disclaimer: The information contained herein is believed to be accurate as of the date of preparation. FlameOFF® Coatings makes no warranty, express or implied, regarding the accuracy of this data or the results to be obtained from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. FlameOFF® Coatings assumes no liability for damages of any kind, and users assume all risk and liability for any use of this information.