



BioActivate

Stain-resistant, protective coating with antimicrobial

I. PRODUCT DESCRIPTION:

Coval BioActivate is a water-based, penetrating sealer created with the most effective antimicrobial additive. It has a superior ability to destroy microbes, despite dust or debris, on porous and nonporous surfaces. **BioActivate** contains PHMB which works by "Electrostatic Destruction." The positively charged PHMB polymers can break down microbes without requiring actual contact between the microbial and the coating, acting as an invisible force field.

II. RECOMMENDED USES:

- A. **BioActivate** repels liquids and resists stains on porous and non-porous materials and substrates, indoors and outdoors.
- B. It can be applied to furniture, clothing, coveralls, carpet, rugs, upholstery, curtains, pillows, and other fabric surfaces.
- C. It is also recommended for hard top flooring, doors, doorknobs, bathroom surfaces, desks, and all non-food preparation areas.
- D. Frequently used in industries including: entertainment locations, retail stores, schools, buses, rental vehicles, gyms, churches, hospitals, and physician waiting rooms.

III. PRODUCT CHARACTERISTICS

A. PROPERTIES

Color: Milky White always dries clear or nearly invisible.

Vehicle Type: Water

Flash Point: N/A

VOC: 0 grams/Liter

Weight/Gallon: 7.36 lb./gal.

Breathable

B. DRY TIME

Drying Time: (@ 77°F, 50% RH)

Touch: 10-15 minutes

C. SPREAD RATE PER COAT

Electrostatic Sprayer: 1,200 sq. ft. / gallon

Fogging: 600 sq. ft. / gallon

Spraying: 500 sq. ft. / gallon

Coverage will vary depending on the application method, type of sprayer, and surface where it is applied. Electrostatic and often foggers will cover approximately 1,200 square feet per gallon. If saturating carpet as a water/oil repellent the coverage will be approximately 500 square feet per gallon.

IV. APPLICATION INSTRUCTIONS

A. GENERAL

BioActivate is a water-based coating that is best applied with an electrostatic sprayer or fogger.

B. SURFACE PREPARATION

Surface must be clean and dry and in sound condition.

- Remove all oil, dust, grease, dirt, and other foreign material.
- Disinfecting cleaners are not needed.
- Prepare surfaces as if installing any coating.

C. BIOACTIVATE APPLICATION

1. Application procedures

- a) **Shake well.**
- b) Apply with an electrostatic sprayer or fogger. If coating a small area, a pump sprayer may be used, but will lower the coverage rate.
- c) Use a cone tip if operating a pump sprayer.
- d) Spray in a circular manner, applying enough material to wet out the surface.
- e) Not recommended for use on glass or mirrors.

2. Painted Surfaces

If in sound condition, clean the surface of all foreign material. Rinse with fresh water and allow to dry. If the paint is peeling or badly weathered, re-application of the existing paint may be necessary. If re-paint is required, proceed with that process outlined by the paint manufacturer, then apply **BioActivate**, following the paint manufacturer's re-application timetable.

3. Hard Surfaces

When applying it to desks, walls, and floors, "wet-out" the surface completely and allow the coating to dry. If accidentally applied too heavily, it will still dry clear.

4. Water Sensitive Electronics

When applying **Bioactivate** to water sensitive electronics such as computer keyboards & telephones, use a dampened microfiber cloth or sponge. Do not oversaturate or allow product to seep into holes/crevices.

D. CLEAN UP

Clean application tools with water.

V. STORAGE

- A. Do not allow **Bioactivate** to freeze.
- B. Store in a cool, dry location. Do not store it in the sun, warm storage area, or in a sun-heated vehicle.
- C. Shelf life: 24 months
- D. Maximum storage temperature: 90°F



VI. CARE AND MAINTENANCE

- A. Wipe up spills on surface as soon as possible.
- B. Do not use heavy abrasive pads to clean.
- D. Neutral pH cleaners, disinfecting cleaners, and degreasers will not damage the finish and can be used regularly.
- E. To check the existence of the coating on a regular basis, turn off all lights, and in a dark room, use a black light to visibly view the blue marker. This indicates that Bioactivate is still on the surface.
- F. If high traffic areas show wear, clean the surface, and spray a fresh coat on the worn area.

VII. SAFETY AND ENVIRONMENTAL

- A. Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection.
- B. Fresh air and exhaust should be provided in enclosed work areas. If inhaled, remove the affected person to fresh air and if physical difficulties occur, call a physician immediately.
- C. In the event of contact with skin, wash skin thoroughly with soap and water.
- D. Chemical safety goggles or splash shields are recommended. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes after contact and get medical attention.
- E. If accidentally swallowed, rinse mouth thoroughly and obtain immediate medical attention.
- F. In enclosed areas, make sure to have an observer watching the applicator for any signs of physical distress.
- G. See SDS for detailed safety information.

For a copy of the SDS and further information, go to www.covaltechnologies.com.