

Microbe Guard's Application Protocol

This is a general protocol for the application of Microbe Guard's Mold Blast and Protectant. This protocol is to provide you, the customer, with a general overview of common application scenarios. Each application is unique and may require its own protocol for the removal and prevention of mold, mildew and fungus. Contact an ESA Certified Mold Inspector should you have any questions at www.envirosolution.com

1. Safety First! Wear a cartridge respirator mask (available at hardware stores), rubber gloves that reach mid-forearm, and goggles. Tyvek suits work great to keep mold off of your clothes.
2. Inspect the area in question for signs of mold, mildew and fungus. Common signs are musty or mildew odors, black, green or white growth or cottony growth on surfaces.
3. If you find mold, find the cause of the water intrusion and repair the cause. You must repair the cause of the water intrusion before fixing any mold damage to your home.
4. Poly off areas that are suspected to be affected by mold to limit mold spores from traveling throughout your home. Use 4 – 6 mil poly and tape to prevent air movement outside affected areas. Tape and poly shut air ducts, cold/air return ducts and doorways.
5. HEPA vacuum all loose debris off surfaces. Use only HEPA vacuums and filters.
6. Spray any visible mold stains with Microbe Guard's Mold Blast. Simply spray Mold Blast on visible mold and watch it eradicate the mold stain. For extreme mold, light scrubbing may be required. *(DO NOT USE BLEACH! While bleach is a great disinfectant, it does not kill all molds. It bleaches out the stains caused by mold, but when it dries it leaves a residue that mold loves. Mold will come back worse in the areas treated with bleach. It will also prevent proper adhesion of our product)*
7. Remove any sheetrock, carpeting, pad or substrates that have sustained heavy damage or are structurally impaired. Dispose into plastic bags and discard.
8. Allow area in question to dry. Use of Dehumidifier and/or fan is recommended.
9. Apply Microbe Guard's Protectant to surfaces to prevent the growth of mold, fungus, bacteria and algae. We recommend two application techniques.
 - a. **Spraying:** using a pump up sprayer or squirt bottle (available at hardware stores), lightly apply antimicrobial to all surfaces you would like to protect against microbial attack. The product should be applied in a manner that does not cause the product to run off treated surface. (Approximately 400 – 800 s.f per gallon) You need only apply a thin layer to give you long term protection. A thicker layer will not extend the protection. This is the best technique for heavily soiled areas, carpeting, porous areas, concrete, block, roofing, siding and other exterior applications.
 - b. **Fogging:** using a ULV (cold) fogger (available at www.moldblast.com), apply a fine mist to all surfaces you would like to protect against microbial attack. The product should be applied in a manner that will not cause the product to run off surfaces treated. (Approx. 1000 – 1500 s.f. per gallon) This is the best technique for attics, crawl spaces, duct work and finished interiors. *(Be careful when treating glass, chrome, granite, hard flooring and other hard surfaces. This is a permanent treatment. If you leave foot prints, finger prints or dirt on surfaces when wet, they will be there when the product dries. It is next to impossible to remove the antimicrobial once dried. We recommend wiping down all such areas with a cloth that is moist with the antimicrobial to ensure even application)*
10. Allow the area treated to dry. Resume construction activities with the assurance that mold will not affect the areas treated with Microbe Guard Antimicrobials.

Microbe Guard Inc recommends that all mold inspections and remediation be done by trained and certified personnel. Microbe Guard Inc also appreciates the cost of such professional services and would like to offer homeowners the right to treat their homes on their own. This document is only designed for a guideline for common problems found in homes. Microbe Guard Inc does not take any responsibilities for any damages or consequential damages caused by the use of this Application Protocol to fix any mold related issues. Always Consult a Certified Mold Inspector should you have any questions or concerns.