



***Introducing the  
ÆGIS Microbe  
Shield™ Program***

*A revolutionary  
approach to solving  
the problems caused by  
mold, mildew, bacteria, algae  
and other microorganisms.*

## **“ÆGIS” Means “Protection” (AND Solutions)**

Mold, mildew, bacteria, fungi, yeasts. Visible and invisible, beneficial and deadly – but always present. The ÆGIS Microbe Shield™ Program provides protection and safe, effective solutions to microbial contamination in the indoor environment. With the ÆGIS Microbe Shield Program you can solve existing problems (even after flooding and other catastrophic events) or can prevent problems from happening.

The key is the unique ÆGIS Microbe Shield™ Technology. In contrast to the conventional weapons you use in the unending battle with microbial contamination (sanitizers, disinfectants, bleach and biocides), it is odorless, durable, professionally applied – and effective. Even more important, it has nearly 20 years of safe use solving problems in virtually every type of building and on a broad array of consumer and healthcare products.

### **The ÆGIS Microbe Shield™ Program Can:**

- **Dramatically reduce mold, mildew and bacteria levels on treated surfaces and in the environment and keep low levels three years or more.**
- **Greatly reduce the need to replace water damaged carpeting, ceiling tiles, furnishings and building materials.**
- **Control growth of microbial contamination in areas which have been exposed to flooding or high moisture conditions.**
- **Control the odors, damage and deterioration typically caused by mold and mildew growth.**
- **Lessen the risk of airborne microbial contamination spreading throughout a building and triggering human health responses.**
- **Save you thousands of dollars in restoration costs after catastrophic events such as hurricanes, flooding or building failures.**
- **Provide follow-up testing and selective treatment to manage future microbial growth from problem areas.**

### **How and Why Does It Work?**

The ÆGIS Microbe Shield™ Program is based on years of indoor environmental problem solving work, extensive microbiological and testing/laboratory capabilities and a unique chemistry that permanently bonds to surfaces and won't wash off or dissipate into the air. In other words, it doesn't enter the environment. The primary treatment material, ÆGIS™ Antimicrobial, contains no heavy metals, formaldehyde or phenols. It is significantly different from conventional antimicrobials, sanitizers or disinfectants. Some of the differences are its chemical nature, how it works, its effectiveness, durability, low toxicity and safety.

*The ÆGIS Microbe Shield™  
Solutions Instead of Speculations*

Since ÆGIS™ Antimicrobial chemically bonds to the application surfaces, it cannot diffuse or migrate once it has been professionally applied and has dried. It is uniquely different from most other antimicrobials in that it is only effective against single-celled organisms. Since it doesn't dissipate, it minimizes or eliminates the potential for microorganisms to adapt or build up tolerance or become resistant. It acts by rupturing the cell membrane – not by poisoning. Almost all other antimicrobials, sanitizers and disinfectants are designed to diffuse and be absorbed. Once absorbed, they act by poisoning or causing fatal mutations. As they diffuse, they lose strength and adaptation can and does occur.

The durability of the ÆGIS Microbe Shield™ Program has been extensively tested. Most surfaces will remain antimicrobially active for at least three years – longer with follow-up service. Control of airborne microbial pollution depends on the extent of the surfaces treated, the quality of cleaning before treatment and the amount of growth which has occurred inside of materials before treatment.

Although no material is completely “non-toxic”, ÆGIS™ Antimicrobial has a long and extraordinary record of safe use and application. It has been used in thousands of buildings – homes, offices, schools, hospitals, labs, etc. The ÆGIS Microbe Shield Technology has been registered for and regularly applied to carpeting, hosiery, undergarments, hospital gowns, surgical drapes and many other items. It is, of course, registered with the Environmental Protection Agency for use on indoor surfaces.

#### **How and When Is It Applied?**

The ÆGIS Microbe Shield™ Program is a precise application process which is custom tailored to the specific products or problems in a building. The objective is to achieve a complete surface treatment of materials or potential growth areas. In buildings, it is normally spray applied in a dilute water solution. Since it only acts on contact with organisms, it is critical to have a thorough, professional treatment. After flooding or other catastrophic situations, treatment should start as soon as cleaning has been completed and the drying process has begun. It is not necessary to have the area completely dry for effective treatment. Building areas close to flooded or water-damaged sections should be treated immediately to deter the growth of fungi, bacteria and organisms which are encouraged by high humidity and can cause serious human health problems.

#### **What It Doesn't Do**

There are many advantages to the ÆGIS Microbe Shield™ Program, but it does have limitations. It is not a cleaning program and cannot:

- Control microorganisms on untreated surfaces.
- Remove chemicals, dirt or non-microbiological pollutants or odors.
- Replace normal maintenance.

#### **For More Information**

The best evidence of success is always past experience. ÆGIS can provide you case histories on buildings ranging from private homes to a twelve-story hospital, and from “sick” office buildings to schools with “insoluble” problems. To obtain information on what the ÆGIS Microbe Shield™ Program can do in your building, or to find out more about and its many professional services, call us at **1-800-241-9186**.

## **ÆGIS ENVIRONMENTS**

**Solving Indoor  
Environmental Problems**

**Remediation ♦ Testing  
Lab Services ♦ Consulting**

To locate an

**ÆGIS Microbe Shield™  
Certified Applicator**

#### **Marketing & Administrative Offices**

2525 Washington Avenue, Suite 500  
Midland, MI 48642

Phone: 517-832-8180

Fax: 517-832-7572

#### **Technical Services & Laboratory**

3106 Swede Avenue

Midland, MI 48642

Phone: 517-832-8775

Fax: 517-633-7112

**1-800-241-9186**

**Call us or visit our website at:  
[www.microbeshield.com](http://www.microbeshield.com)**