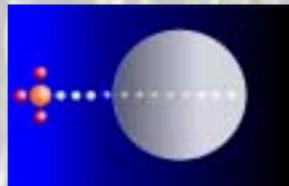


**Our unique technology is superior to other technologies.**

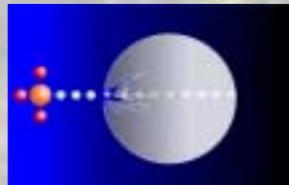
Once applied, the ÆGIS Microbe Shield technology remains permanently affixed to the surface to which it is applied. This organo-functional silane technology is not consumed by the microorganism and does not poison the microorganism, but works as a physical control.

Verified by its worldwide use in consumer and medical goods, this technology has been proven with over thirty years of safe, effective use in manufacturing facilities and in actual end use situations.

**A physical control that does not leach.**



The microbe is attracted to the treated surface by a positive charge and punctured by the long chain molecule.



The microbe is then electrocuted. Since the ÆGIS Microbe Shield technology is not used up in destroying the organism, it stands ready to fight again.



**Durability & Safety**

The ÆGIS Microbe Shield technology is a micro-polymer silane technology that molecularly bonds – directly and durably – to the substrate.

- Does not rub off or migrate onto the skin
- The confidence of more than 30 years of safe and effective use
- Does not create an environment that promotes adaptive microorganisms
- Registered for use with the EPA and other regulatory agencies worldwide
- Quick and easy on site quality control verification

**Protection You Can Wear!**

- Used successfully in high performance applications where safety and performance are paramount such as clean room garments and medical fabrics

**The Obvious Choice Is ÆGIS**

Our research in the laboratory and in the field on products ranging from baby diapers to carpet and athletic shoes to ceiling tiles, clearly demonstrate the performance of our product.

Our technology controls staining from mildew and can also provide water repellency while reducing tannin staining. You can increase profitability, value, and payback for the homeowner when you use the ÆGIS Microbe Shield technology to control fungal growth in construction materials like composite decking, OSB, dimensional lumber, roofing materials and more.

**ÆGIS MEANS SOLUTIONS**

Contact a representative today to learn how the most unique and reliable antimicrobial on the market today can effect the success of your market!



Microbe Defence  
div. of Strathcona Ventures  
Sherwood Park, Alberta Canada  
[www.strathconaventures.com](http://www.strathconaventures.com)

**Control Mold & Mildew**

**ÆGIS Means Protection**

**Building Products**



**Protecting the products that protect you and your environment**

# Control Microbial Growth in Building Products

## Mold in the Construction Industry

Today's consumers are better educated about the hazards of mold and mildew in newly constructed buildings. Recent surveys indicate that mold and mildew are key concerns in the construction industry and the NAHB reports that almost 28% of their inquiries from homeowners are about mold.

BuilderOnLine.com has stated that mold could be the biggest litigation issue facing builders since lead-based paint.

## Microbial Growth

Water moisture and water vapor in the envelope of a building set the scene for microbial contamination. Every element of the construction process offers opportunity for microbial growth. Warm temperatures, moisture and an adequate food source is all that these one celled organisms need to thrive. Unless protected, damp framing will be attacked by fungus and as the microbes develop, they can spread through walls and over interior surfaces.

If mold and mildew are not controlled in the construction process, they will continue to find food and moisture and will continue to cause problems of odor, staining, and deterioration. Microbes not only cause direct damage, but they have also been associated with human problems such as allergic disorders.

## ÆGIS Means Solutions

The ÆGIS solution to mold and mildew is designed for easy integration into existing building product manufacturing processes. Proper application of the ÆGIS technology can be verified at the mill in a matter of minutes using a quick and simple QA test. Its performance, ready application and simple verification makes the ÆGIS Microbe Shield technology an easy choice for building product manufacturers.

## Easy & Quick Verification.

Our quality control program is based on a unique visual indicator that binds directly to our antimicrobial agent. It is used for quality control and assurance of uniformly treated materials as they are manufactured.

## Don't be misled by warranty claims.



Roofing Shingles treated with the ÆGIS Microbe Shield technology (left) show no algal growth as compared to an untreated shingle.

## Roofing



Laboratory testing proves roofing tiles treated with the ÆGIS Microbe Shield technology significantly control algal and fungal growth.

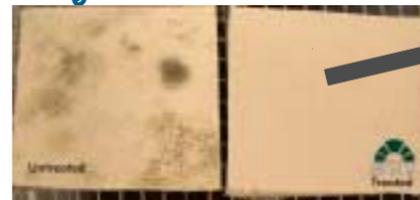
## OSB & Composite Decking

Composite decking and OSB treated with the ÆGIS Microbe Shield technology withstands bacteria and fungal growth. It also provides added protection against staining and moisture damage.



The blue stain on the treated OSB proves it has been properly treated with the quick and easy to use indicator.

## Drywall



ASTM 3273 testing confirms that treating paper with the ÆGIS Microbe Shield technology prior to board formation can significantly control fungal growth.



## Ceiling Tile

When treated with the ÆGIS Microbe Shield technology, ceiling tiles have durable, long lasting protection against the problems associated with moisture in the home environment.

## Textiles



Textiles have more than a 30 year history of safe and effective use with the ÆGIS Microbe Shield technology.



## Building Wraps

## Dimensional Lumber

Testing has proven that dimensional lumber ships without mold or mildew and continues to control the problems associated with fungal growth.



## Carpet

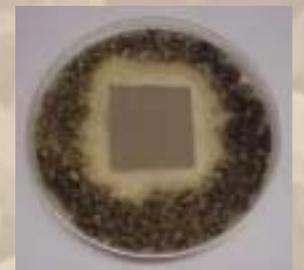


Fungal growth has taken over this carpet sample on the left. The sample on the right is protected and shows no growth.

## UNTREATED SAMPLE



## LEACHING ANTIMICROBIAL



Traditional antimicrobials migrate off the surface creating a zone of inhibition. This sample clearly shows the leaching of the antimicrobial into the surrounding environment. The chemical is consumed and depleted as the organism are destroyed. Over time, single celled organisms can adapt to these leaching antimicrobials.

## BONDED ANTIMICROBIAL



The ÆGIS Microbe Shield technology is a permanent part of any surface it protects. It is not consumed by the microbes; therefore, it does not create an environment for adaptation. This sample shows no leaching, no zone of inhibition, and no growth on the ÆGIS Microbe Shield protected sample.

