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A NEW APPROACH TO ECO INTELLIGENCE®

Products can only be as sustainable as the materials and processes used to create them. That's why Victor created Eco Intelligence® – a smarter way of thinking about textile manufacturing and its impact on the environment and human health.

To put it simply, Eco Intelligence® is the guiding principle we use to navigate our path to sustainability. The products we develop in accordance with this principle are branded Eco Intelligence® – a designation that makes it easier for our customers to identify and choose products that meet their environmental objectives and specifications.

fold in flap

WHAT DO I NEED TO REMEMBER?

Eco Intelligent® Post-Consumer Recycled Polyester with Agion is:

- A highly sustainable textile solution.
- Developed to deliver continuous, long-lasting protection against microbes.
- Designed and manufactured to meet Victor's stringent criteria for performance and aesthetics.
- Cleanable with a diluted bleach solution.



For more information visit www.victorgroup.com



Agion antimicrobial protection is limited to the treated article and does not protect a user against disease-causing bacteria.

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back cover

eco INTELLIGENT®

eco INTELLIGENT®
INNOVATION



ECO INTELLIGENT® POST-CONSUMER
RECYCLED POLYESTER WITH AGION®

FOR SUSTAINABLE FABRICS WITH NATURAL
ANTIMICROBIAL PROTECTION

cover

We are pleased to introduce the latest addition to the growing family of Eco Intelligent® products:

ECO INTELLIGENT® POST-CONSUMER RECYCLED POLYESTER WITH AGION®

WHAT IS IT?

Eco Intelligent® Post-Consumer Recycled Polyester is created from 100% recycled plastic PET bottles. This material and the process we use to make it reduces environmental impact by diverting waste from landfills, lowering air emissions and decreasing oil consumption.

Victor has now made Eco Intelligent® Post-Consumer Recycled Polyester even more sustainable – by incorporating Agion® Antimicrobial Technology. Agion uses a natural antimicrobial to deliver continuous resistance to microbes, bacteria, mold, mildew and fungal contamination.

This is the textile industry's first post-consumer recycled polyester with Agion technology built into the fiber. It's just one more example of Eco Intelligent® Innovation.



Eco Intelligent® Post-Consumer Recycled Polyester with Agion is Cradle to Cradle Silver Certified™ as meeting established standards for human health, environmental health and recyclability.

Cradle to Cradle Certified™ is a certification mark of MBDC.

HOW DOES IT WORK?

Silver has long been recognized as nature's most powerful defense against microbial invasion. It is a cleaner, safer, more sustainable alternative to the chlorinated and synthetic chemicals typically used to impart antimicrobial resistance.

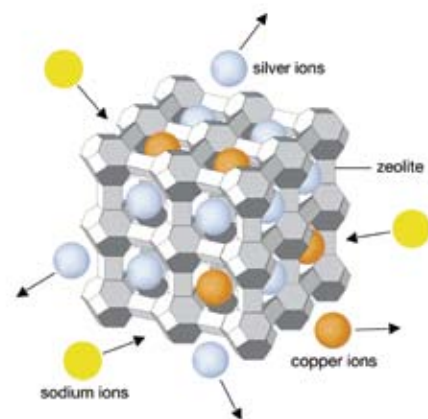
Agion utilizes a breakthrough ion-exchange technology that embeds a natural balance of silver and copper ions in a micron-sized "zeolite carrier." (Copper is highly antifungal and the copper ions enhance the antimicrobial effect of the silver ions.) The zeolite carriers are then encapsulated into our Eco Intelligent® Post-Consumer Recycled Polyester fibers. The silver/copper ions are activated "on demand" in the presence of moisture – urine, blood, the touch of a hand, the settling of airborne bacteria, and other activating agents.

The silver/copper ions are released to the fabric surface, where they combat microorganism in three ways:

- Starve them (disrupt cell metabolism)
- Sterilize them (inhibit cell reproduction)
- Suffocate them (inhibit respiration)

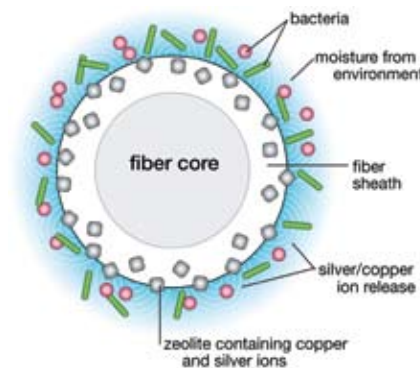
This "tri-modal" action makes Agion a broad-spectrum antimicrobial – effective against gram-positive and gram-negative bacteria, mold, mildews and fungi. It even reduces the possibility of developing multi-resistant bacterial strains.

Unlike chemical antimicrobial approaches, Agion is built in to the fabric to deliver continuous, long-lasting antimicrobial protection that cannot wash or wear off over time. It remains effective for the lifetime of a fabric.



Zeolite Carrier

Silver and copper ions in the zeolite carrier are released to the fabric surface to inhibit microbes whenever moisture impacts the fabric.



Built-in Protection

Zeolite carriers are encapsulated into the fiber sheath to provide lifetime fabric protection.

HOW DO I KNOW IT'S SAFE?

Agion uses ionic silver, not metallic silver. Silver ion technology does not match the chemical or biological profile of commonly cited "toxic metals." In fact, Agion is less toxic than table salt, less irritating than talcum powder, and one of the few technologies approved for food and water contact.

Also, Agion does not "leach" like other antimicrobial treatments. Leaching antimicrobial treatments can migrate off the fabric surface, harming the surrounding environment and leaving the fabric unprotected against microorganisms. Agion technology is inherent to the fabric and is activate only when a microbe is encountered.

Agion technology is approved for medical applications as well as by the toiletries, cosmetics and fragrance industries. Agion is registered for a broad range of uses with the EPA, FDA, USDA, European FSA and European BPD.

HOW DOES IT PERFORM?

Eco Intelligent® Post-Consumer Recycled Polyester with Agion combines sustainable and antimicrobial attributes with exceptional aesthetics, cleanability and durability:

- This innovative fiber is yarn dyed, not solution dyed, so it allows greater manufacturing flexibility and a near-infinite color palette.
- This innovative fiber incorporates a new dyeing technology that makes package-dyed fibers more colorfast and resistant to beach/chlorine. Fabrics made with this fiber are cleanable with a 20% diluted solution of household bleach (one part bleach, four parts water).*
- Fabrics made with this fiber have been tested to deliver a minimum of 200 hours lightfastness, abrasion resistance up to 100,000 double rubs, and excellent brush pill performance.
- Fabrics can be treated with water and stain-repellent finishes, as well as moisture barriers, as needed.

All of these factors make Eco Intelligent® Post-Consumer Recycled Polyester with Agion a natural choice for healthcare, hospitality, education, office and other high-use environments.

Since there is no industry-standard test for bleach resistance, and post-processing could influence results, it is recommended that customers test individual fabrics with the 20% bleach solution.