



TECHNOLOGY | DESIGN | ENVIRONMENT



The Antimicrobial
Smart Opening System

LD-V01 09/2016





**The Antimicrobial
Smart Opening System**

ASEPTI HealthCare

THE ANTIMICROBIAL SMART OPENING SYSTEM

ASEPTI HealthCare is an antimicrobial option for wood doors and hardware, specially intended for:

- Heavy-traffic buildings, **such as healthcare institutions;**
- Areas with a medium to high risk of hospital acquired infections.

ASEPTI HealthCare is a **smart opening system**, featuring:

- **Doors with factory-installed hardware;**
- **On-site installation readiness, for:**
 - **Real savings** in handling and administration time for the distributor,
 - **Real savings** in labour and on-site installation.

Manufactured in collaboration with Trimco Healthy Hardware™.





UNITED STATES CONSEQUENCES OF HOSPITAL ACQUIRED INFECTIONS ¹

- 4th leading cause of death
- 100,000 deaths annually
- 2 million total infections per year
- Patients with infections are twice as likely to die
- \$45 billion in costs annually



WHY WORRY ABOUT HOSPITAL ACQUIRED INFECTIONS?



CANADA CONSEQUENCES OF HOSPITAL ACQUIRED INFECTIONS

- 4th leading cause of death after heart attacks, cancer and stroke ²
- 10% of patients (or 200,000) acquire an infection in the hospital ³
- 5% of these patients (or 10,000) die ³
- Canadians spend \$4 to \$5 billion each year to treat hospital acquired infections ³





ASEPTI: ANTIMICROBIAL SURFACE PROTECTION FOR DOORS

- Features the antimicrobial properties of silver ions.
- All additives are registered with the FDA, EPA and EFSA.
- Complies with JIS Z 2801: 2000 independent testing.
- Reduces the growth of organisms such as bacteria, germs, mould and mildew.



ANTIMICROBIAL SURFACE PROTECTION



- Reduces the growth of fungi that may cause staining and offensive odors.
- Inhibits the growth of microorganisms that may cause offensive odors.
- Ionic silver technology meets Medium Touch surface requirements.

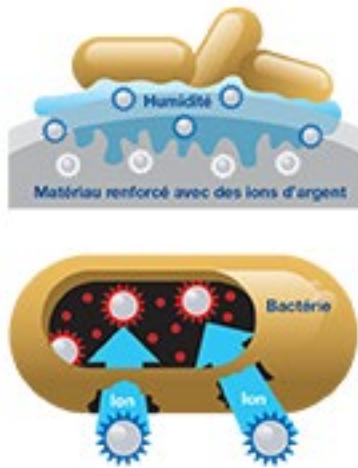


The ASEPTI HealthCare option is not a substitute for established hygiene and disinfecting procedures. It does not protect users and others against existing bacteria, germs, mould, mildew and fungi. Maintaining usual daily proper hygiene and cleaning procedures is important.

IONIC SILVER TECHNOLOGY: ANTIMICROBIAL ACTION

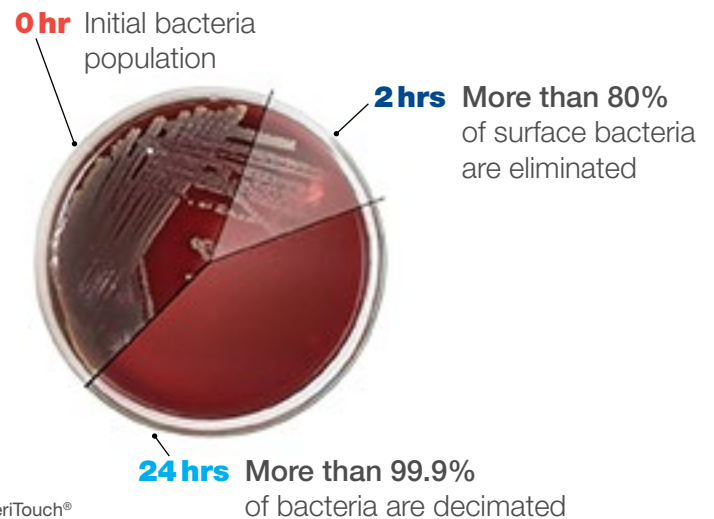
Silver ions embedded in the material are released by ambient humidity and enter the cell membrane.

The silver ions destabilize the membrane, impede respiration and paralyze cell division while blocking DNA reproduction.



Images: SteriTouch®

EFFICACY OF IONIC SILVER TECHNOLOGY AFTER 24 HRS

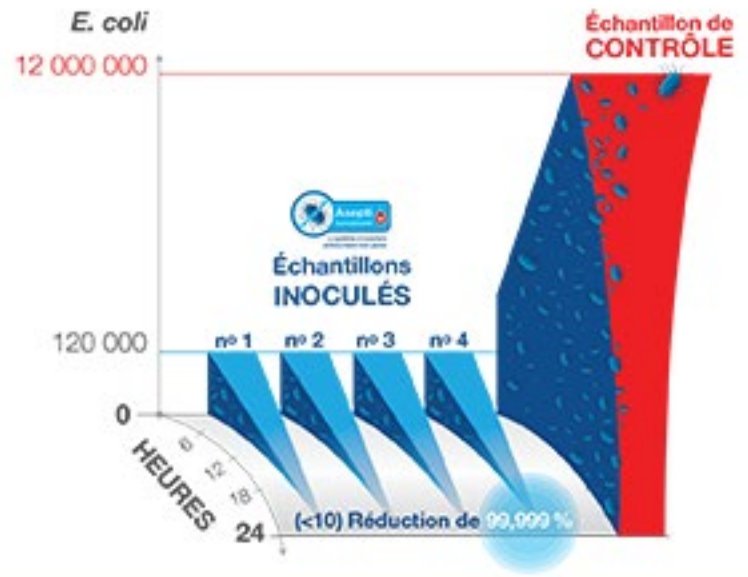
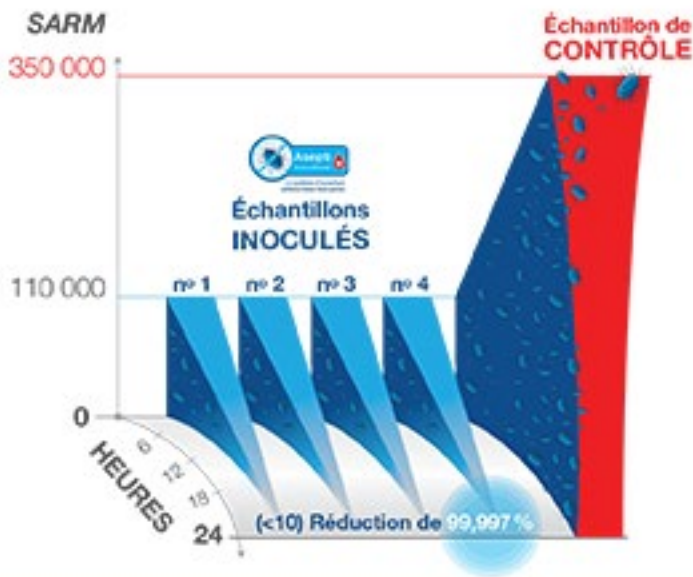


STERITOUCH® IONIC SILVER TECHNOLOGY

ANTIMICROBIAL PERFORMANCE OF SAMPLES CONTAINING STERITOUCH® IONIC SILVER ADDITIVES ⁴

Samples inoculated with methicillin-resistant *Staphylococcus aureus* (MRSA) bacteria

Samples inoculated with *E. coli* bacteria



LAMBTON DOORS makes no representations or warranties, express or implied, as to the effectiveness of SteriTouch®.

4. SteriTouch Ltd. *Antimicrobial performance report 1733 - Canlak Industrial Coatings*, SteriTouch Ltd, Rosehayworth Business Park, Abertillery, Gwent NP13 1SP United Kingdom. Pages 1, 2 and 3 of 3.



HEALTHY HARDWARE™

The **ASEPTI HealthCare** Series from LAMBTON DOORS features Healthy Hardware™ by Trimco.

Healthy Hardware™:

- Has the bactericidal properties of CuVerro® copper alloy.
- Registered with the EPA (U.S. Environmental Protection Agency).
- 99.9% of bacteria are killed within 2 hours when surfaces are cleaned regularly.



In collaboration with



CUVERRO® COPPER ION TECHNOLOGY⁵

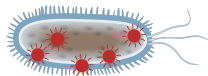
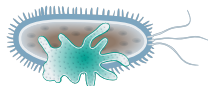
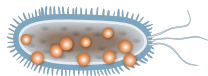


COPPER ION TECHNOLOGY: BACTERICIDAL ACTION

Copper ions on the surface of bacteria are recognized as essential nutrients and enter the cell.

A lethal dose of copper ions interferes with normal cell functions and membrane integrity.

Copper ions impede cell respiration/metabolism, sometimes causing DNA damage.



- Kills the most virulent bacteria, such as methicillin-resistant *Staphylococcus aureus* (MRSA) and *E. coli*.
- Kills bacteria for the entire useful life of the product.
- Looks like stainless steel to match other hardware products.
- Wide range of hardware and touch surfaces available.
- Made in the U.S.A. with pre- and post-consumer recycled materials.
- Copper alloy technology meets High Touch surface requirements.



Laboratory testing shows that, when cleaned regularly, CuVerro® surfaces kill more than 99.9% of the following bacteria within 2 hours of exposure: methicillin-resistant *Staphylococcus aureus* (MRSA), *Staphylococcus aureus*, *Enterobacter aerogenes*, *Pseudomonas aeruginosa*, *E. coli* O157:H7 and vancomycin-resistant *Enterococci* (VRE).

The use of CuVerro® bactericidal copper products is a supplement and not a substitute for standard infection control practices. Users must follow all current infection control practices, including those related to hygiene, cleaning and disinfection of environmental surfaces. The use of CuVerro® products has been shown to reduce microbial contamination but does not necessarily prevent cross contamination. CuVerro® is a registered trademark of GBC Metals, LLC and is used with permission (TR-0002-1509). See CuVerro.com for more details.



THE DEEP RICH BEAUTY OF WOOD

There are several competitive surface materials in the institutional door industry, yet nothing surpasses **the deep rich beauty of wood**. But what about resistance and health?

- Our **UV Finishing System and 100% polyurethane solids** result in wood doors with:
 - **Chemical and solvent resistance** comparable to high pressure decorative laminate (HPDL), meeting the ASTM D1308 standard;
 - **Impact resistance** (1 lb. steel ball at 17 inches).
- Indoor wood surfaces also reduce stress and **promote health** in building occupants⁶.

The beauty of wood may also come with our blind edge (BE) option:

- Completely invisible crossband
- High impact resistance
- Ideal for Extra Heavy Duty Use
- No risk of delamination

WHY CHOOSE WOOD DOORS?

EDGEFENDER IMPACT-RESISTANT DOOR EDGE PROTECTOR

COMBINE THE ASEPTIC HEALTHCARE OPTION WITH EDGEFENDER, OUR IMPACT-RESISTANT DOOR EDGE PROTECTOR

A high percentage of damage to doors occurs on the door edges.

EDGEFENDER:

- Prevents condensation and microbial growth.
- Inhibits organisms from attaching to the door surface.
- Is made of ultra-resilient PVC for superior resistance and easy maintenance.
- Complements the pattern and color of the wood or door face veneer.

5. TRIMCO. Healthy Hardware™ by Trimco, *Hardware made with bactericidal copper*. Pages 3 and 5 of 6.

6. FELL, David. "Wood and Human Health", FPInnovations in collaboration with Natural Resources Canada and The University of British Columbia's A Piece of Mind. Page 6 of 6.



TECHNOLOGY | DESIGN | ENVIRONMENT



MISSION

At LAMBTON DOORS, our mission is to develop and manufacture high-quality, value-added interior wood doors and frames for our North American commercial, architectural and institutional clients.

To meet our clients' needs and respond to new market opportunities, we focus on the quality of our human resources, use state-of-the-art technologies and offer harmoniously designed, environmentally friendly products.

Printed in Canada



SUBSCRIBE TO
OUR NEWSLETTER



CANADA



USA

235, 2nd Avenue, Lambton
(Quebec) G0M 1H0 Canada

418 486.7401
1 800 463.3124 CAN
1 800 363.2248 USA

Fax
418 486.7381
1 800 561.7443 CAN / USA

info@lambtonddoors.com
architect.designer@lambtonddoors.com
www.lambtonddoors.com



The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.

