

Wrap Stars

DESIGN • PRINT • INSTALL

PURE ZONE®

Performance and protection
anywhere, anytime

Antimicrobial Protection at your premises



SAY GOODBYE TO BACTERIA WITH PUREZONE

Wrap Stars brings you the new antimicrobial film by HEXIS that protects your premises



Even if you comply with good hygiene practices, and keep your premises perfectly maintained and regularly cleaned, bacteria can still sneak in.



Solution?

PURE
ZONE®

Antimicrobial
protection

*Feline coronavirus, Strain Munich & HCoV-229E



www.hexishealth.com

Germ need humidity to proliferate. The Hexis film is waterproof and forms a barrier against humidity.

During cleaning operations, as well as in the presence of humidity, silver ions are released from the top layer of the film. These ions come into contact with the bacteria, blocking their metabolism and/or interrupting their proliferation mechanism, leading to their destruction.

When the PVC film is manufactured by Hexis, silver ions encapsulated in a glass matrix are distributed over the film in a uniform manner.

THE ANTI-MICROBIAL EFFICIENCY OF SILVER IONS

Protects 24 hours a day, 7 days a week

Protects inaccessible areas

Inhibits the development of 99.99% of the germs tested

Reduces a bacterial population

No nanoparticles

Active for 5 years

Perfectly ecological

Prevents formation of **biofilm** (A biofilm is a complex microbial community, consisting of bacteria and, on occasion, fungal species embedded within a protective polysaccharide matrix)

Facts



Pure Zone provides 24 hour preventive protection against certain bacteria thanks to the constant action of its antibacterial power to hinder their proliferation. The film contains antimicrobial agents that are coated with a pressure-sensitive acrylic adhesive. Intended for antimicrobial protection of surfaces in areas that require a high level of hygiene.

Pure Zone films contain **silver ions** which are set free from the top layer when they come into contact with humidity. These reactive ions rapidly block and destroy bacteria, preventing them from multiplying between two cleaning and disinfection operations.

Active strains (according to ISO 22196):

Reducing > 99.99 % of bacteria
ascertained for:

- Escherichia coli,
- Salmonella (Salmonelle enterica),
- Listeria (Listeria monocytogenes),
- Golden staph (Staphylococcus aureus),
- Methicillin-resistant Staphylococcus aureus (MRSA),
- Pseudomonas aeruginosa.

Antiviral activity on the Human coronavirus HCoV-229E strain

(according to the ISO 21702 standard):

- 94.99 % after a contact time of 15 min.,
- 99.87 % after a contact time of 60 min.

This technically sophisticated and high-quality film provides effective and long-lasting protection for all your touch points (public spaces, buildings and public transportation). It can be applied under any circumstances and in all locations with high sanitary requirements, such as clean rooms, cold rooms, nurseries, hospitals, food industries, and so much more.

Patented technology tested for antimicrobial efficiency (with guaranteed bacteria reduction of 99.99%) and tested for skin tolerance under dermatological supervision.



Protection Everywhere

There is no limit to where **Pure Zone** can be installed. The tested product is “NON-IRRITANT” safe for use on human skin. Assessment and analysis of the irritant effect do not reveal any irritant effect, which demonstrates good skin compatibility of the product, PURE ZONE ANTIMICROBIAL FILM.



Reach Compliance

REACH stands for the **Registration, Evaluation, Authorization, and Restriction of Chemicals**. The regulation was created by the European Chemicals Agency (ECHA) of the European Union (EU) and became effective June 1, 2007. This regulation was adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals.

At the center of **REACH** is a list of chemicals identified as being a health and/or environmental risk. The list originated with seven RoHS chemicals restricted for use in electrical and electronic equipment (EEE) and has expanded to include 209 industrial and consumer chemicals.

Updated twice per year in January and July, it's known as the Substances of Very High Concern (SVHC). An additional list known as Substitute It Now (SIN) includes chemicals being evaluated that may be added to the SVHC list in the future.



February 07th, 2019

HEXIS's declaration

Dear Customer,

In accordance to article 33 of the REACH regulation, any supplier of an article containing a substance of the list in a concentration above 0.1 % (W/W) shall provide the recipient with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.

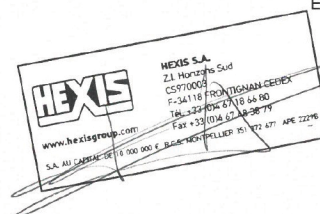
However, with this letter HEXIS confirms that the following products:

- **ANTIMICROBIAL FILM - PURE ZONE® RANGE**

Do not contain any of the 197 REACH SVHCs as updated by ECHA on January 15, 2019. We cannot exclude occasional contaminations.

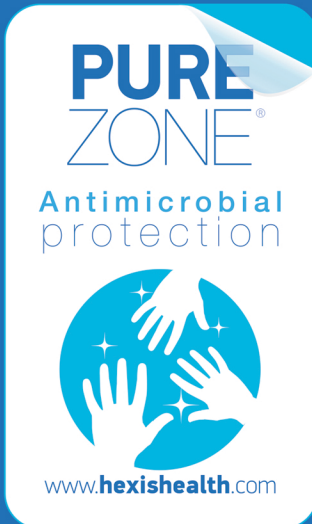
If you have further questions please do not hesitate to contact us.

Manolitto HAMARD
REACH Coordinator
E-mail : manolitto.hamard@hexis.fr



The Pure Zone Label

To allow your clients, staff and partners to identify the areas protected with the anti-microbial film, Hexis has created the PURE ZONE label which can be applied to doors, counters, windows, tables, etc., thus indicating management of anti-microbial protection on your premises.



Bureau Veritas Certification



Bureau Veritas is a company specialized in testing, inspection and certification founded in 1828. It operates in a variety of sectors, including Building & Infrastructure, Agri-food & Commodities, Marine & Offshore, Industry, Certification and Consumer Products.



Testing

The activity of the Hexis anti-microbial film

Strain	Reduction in bacteria as a %	Logarithmic decrease
<i>Salmonella enterica subsp enterica</i>	99,99	> 4,6
<i>Listeria monocytogenes</i>	99,99	> 4,2
<i>Staphylococcus aureus</i>	99,99	> 4,1
<i>Escherichia coli</i>	99,99	> 4,5
MRSA	99,99	> 3,5
<i>P.aeruginosa</i>	99,99	> 5,7

N.B. The logarithmic reductions obtained with silver ions may differ depending on the techniques used and in relation to the incubation periods and milieus used.

COVID19

Skin Tolerance

STUDY REPORT Ref: 832/0914-2302

Study Sponsor
HEXIS

Z.I. Horizons Sud
34110 FRONTIGNAN
France

Investigator in charge
BIOPHYDERM S.A.S.
PARC 2000
244, rue Claude François
34080 – MONTPELLIER

Aim of the study

To assess the cutaneous compatibility by means of semi-occlusive cutaneous tests under strict dermatological control of a product intended to be in contact with the skin

Product

FILM ANTI-MICROBIEN PURE ZONE
Batch B416324CE product tested pure
HEXIS Tested under No 2302

Methodology

Volunteers: 15 healthy subjects, aged between 18 and 65

Inclusion criteria: reactive tendency non pathological skin

Exclusion criteria: confirmed evolutive allergic background

Method: semi-occlusive direct application
application time: 6 hours
reading immediately after removal, then 30 minutes and 24 hours after

Results

The cutaneous irritation index for the product **FILM ANTI-MICROBIEN PURE ZONE – Batch B416324CE – HEXIS - test No 2302**, with an application time of 6 hours is: **0.27**.

Conclusions

The tested product is “NON IRRITANT”

Safe for use on human skin.

The assessment and the analysis of the irritant effect don't reveal any irritant effect, which demonstrates a **good cutaneous compatibility** of the product **FILM ANTI-MICROBIEN PURE ZONE**.



TESTS VIRHEALTH CONCLUSION ON HCOV-229E STRAIN

PRODUCT	contact duration (min)	Logarithmic reduction (log 10)	Antiviral efficiency (%)
PUREZON060 PRZ150 PURECOVER	15	1.3	94,99%
	60	2.9	99,87%

Certificate of Analysis



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I. CONCLUSION

Antiviral activity of the PUREZONE060/PRZ150/PURECOVER surface and non-active surface have been tested under conditions defined by the ISO 21702 (2019) adapted protocol for contact times of 15 and 60 minutes on the human coronavirus HCoV-229E

Stainless steel surface is the control for this test.

- PUREZONE060/PRZ150/PURECOVER surface, 15 minutes of contact time

Under experimental conditions, (20°C,* 15 minutes), the PUREZONE060/PRZ150/PURECOVER surface shows an antiviral activity associated with a logarithmic reduction of 1.30 \log_{10} which is equivalent to a 94.99% efficiency under the ISO 21702 adapted protocol.

- PUREZONE060/PRZ150/PURECOVER surface, 60 minutes of contact time

Under experimental conditions, (20°C,* 15 minutes), the PUREZONE060/PRZ150/PURECOVER surface shows an antiviral activity associated with a logarithmic reduction of 2.90 \log_{10} which is equivalent to a 99.87% efficiency under the ISO 21702 adapted protocol.

Hexis adhesive films
are used on trains,
undergrounds,
planes, and are thus
exposed to significant
constraints

Strong
adhesion

Easy to
clean

Waterproof

Conformable



Finishes

Pure Zone is offered in several different finishes to meet your space's unique style. You can choose from transparent gloss or matte. Also offered are custom finishes in cast laminate for leather structure, mineral wall finish, carbon finish, brushed finish, and two different types of wood finish. All finishes are composed of transparent cast polymeric PVC, containing antimicrobial agents, coated with a pressure-sensitive acrylic adhesive.

Matte Finish Durability: Indoor exposure: up to 5 years

Gloss Finish Durability: Indoor exposure: up to 5 years

Custom Finishes:

Cast laminate for leather structure

Indoor use only. Indoor exposure, upon substrate: up to 5 years (for surfaces or areas subject to moderate handling or visitor frequency).



Mineral wall finish

The “mineral wall” effect laminate allows you to create original and unique textured effects. Outdoor exposure, upon substrate: Without mechanical stress: up to 3 years. Indoor exposure, upon substrate: up to 5 years.



Carbon finish

Outdoor exposure, upon substrate: Without mechanical stress: up to 3 years. Indoor exposure, upon substrate: up to 5 years.



Brushed finish

Outdoor exposure, upon substrate: Without mechanical stress: up to 3 years. Indoor exposure, upon substrate: up to 5 years.



Vwood finish

Outdoor exposure, upon substrate: Without mechanical stress: up to 5 years. Indoor exposure, upon substrate: up to 8 years.



PCwood finish

Indoor use only. Indoor exposure: up to 5 years (for surfaces or areas subject to moderate handling or visitor frequency).



Application & Cleaning

Smooth and sleek, so easy to clean

Perfectly waterproof

Easy to apply, without disrupting your organization

In all areas subject to health constraints: clean rooms, white rooms, cold stores

Compatible with your cleaning protocols. Resistant to most chemical agents, alcohol, diluted acids, oils

The films have an acrylic adhesive which is pressure sensitive. Adhesion is immediate, and permanent after 24 hours of contact



USER'S INSTRUCTIONS:

- Under normal usage conditions, harmless when in contact with human skin (skin compatibility study carried out under dermatological control).
 - No allergenic potential.
 - No irritant potential.
- Active compound: silver ions, < 0.3 % w/w of the entire product.
- Antimicrobial activity maintained after 365 cleanings with water, alcohol, chlorine bleach and Aniosurf® (respect the dilution recommended by the manufacturer).
- The film can be cleaned/disinfected by all conventional cleaning methods, using non-abrasive accessories, cleaning products, detergents or products currently used in healthcare environments. The disinfection levels achieved are compatible with common usage in the most sensitive areas in terms of infectious risks (surgery wards, immunocompromised wards, neonatology, etc.).
- Suitable for application to regular or irregular surfaces.
- Recommended minimum application temperature: +10 °C (+50 °F).
- Operating temperature range: from -40 °C to +90 °C (-40 °F to +194 °F).

DURABILITY:

- Indoor exposure: average up to 5 years

CLEANING & DISINFECTING

- Wear disposable gloves to clean and disinfect.
- Clean surfaces using soap and water.
- Practice routine cleaning of frequently touched surfaces. These surfaces include:
 - tables • doorknobs • light switches • countertops • handles
 - desks • phones • keyboards • toilets • faucets • sinks • etc.
- Clean using soap and water, or another detergent if it is dirty. Diluted household bleach solution may also be used. Alcohol solutions with at least 70% alcohol can be used as well.



What We do

Wrap Stars can PROTECT your business and life from CORONAVIRUSES and BACTERIA.

At Wrap Stars, we are working to reopen our nation. We understand the importance of safety in this difficult time. We offer a way to bring back life to your company. We can help you fight the pandemic in your space, giving your employees and customers a greater feeling of security. We install Pure Zone **EVERYWHERE**.

HOSPITALS, MEDICAL CENTERS, HEALTHCARE, DENTAL OFFICES, PUBLIC AND PRIVATE BUSES, SUBWAY, TRAINS, SUPERMARKET, MALLS, STORES, SHOPPING CARTS, VOTING STATIONS, SCHOOLS, PRE-SCHOOL, RESTAURANTS, COFFEE SHOPS, FAST FOOD AREAS, HOSPITALITY, CASINOS, AIRPORTS, AND SO MUCH MORE.

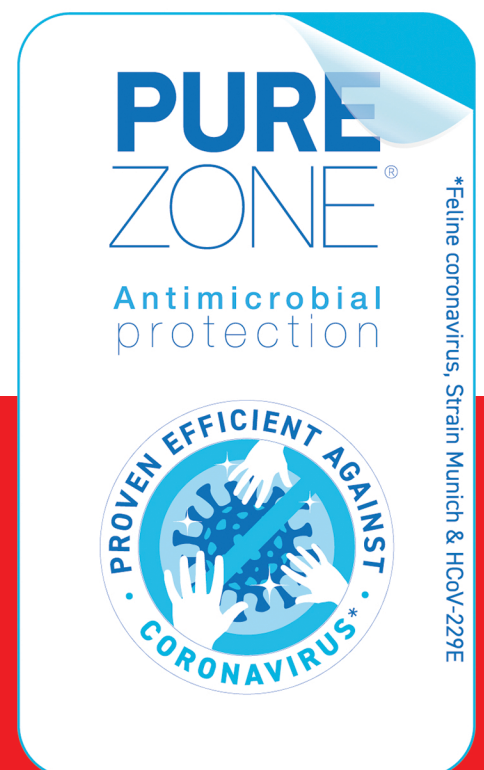


Wrap Stars makes installing quality products and services our utmost priority. We personally guarantee our installation services to meet your every need. We will install on your time, accommodating your onsite practices and business hours. We stand by our installation process, and guarantee that if within two weeks of the install, a problem occurs, we will return and fix the problem at no cost to the customer.

Pure Zone has a convenient installation process. We will be able to install Pure Zone to your establishment without disrupting your organization. We work with you to insure ultimate convenience and professionalism.

Wrap Stars

Installation to reopen the nation



Who We Are



Wrap Stars has been servicing clients and print shops since 2010 with top notch graphics and installations. While running our company, Dale acquired certifications and Angela a Bachelor's degree from KSU. Wrap Stars is a 3M preferred, Lowen expert certified vinyl wrap shop. You can rest easy knowing that your project is in the hands of experienced vinyl wrap installers with over a decade of experience.



The 3M Preferred Graphics Installer program, established in 2009, tests the installation skill level of individual installers. Installers with this distinction are recognized by 3M for their installation skills/knowledge. As a 3M Preferred Graphics Installer, this means:

- We carry liability insurance (verified by 3M once per year).
- We passed a rigorous hands-on and written test at the 3M Company, St Paul, MN test facility or one of several 3M Authorized test facilities. The test includes graphics applied to surfaces such as: floors, walls, textured walls, trailers and vans/autos.

Wrap Stars is Lowen Certified. Lowen Certification is a graphic installation training and certification program designed by Lowen Corporation and 3M to give individual graphic installers a portable, industry recognized certification that proves they have taken and passed the industry's most demanding graphic installation testing.



We are also a BBB Accredited Business, meaning we are part of an ethical marketplace where buyers and sellers trust each other. As a BBB Accredited Business, we are a trustworthy business that operates with integrity and excellence.

Wrap Stars installs with the best, being a member of the United Wrap Syndicate. We surround ourselves with like minded individuals that go the extra mile, push to achieve the same dream, and celebrate excellence.





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