

# HYGIENIC COATING SOLUTIONS

for Public Spaces

PLEASE  
DO ~~NOT~~ TOUCH!



# PAINTS AND COATINGS FOR THE HYGIENE MANAGEMENT IN PUBLIC SPACES

Microbes are vital for people and a healthy environment is not sterile. Unfortunately, however, some microbes are harmful to humans and cause illnesses. Bacterial antibiotic resistance is one of the most serious problems in health care today. In addition, various epidemics, such as seasonal influenza, are a special health risk for the elderly and pregnant women.



Approximately 4,1 million patients are estimated to acquire a healthcare-associated infection in Europe each year. The number of deaths occurring as a direct consequence of these infections is estimated to be at least 37 000 and these infections are thought to contribute to an additional 110 000 deaths each year (ECDC).

## GUIDELINES FOR PROJECT-SPECIFIC DESIGN

The most common means of contracting the infectious diseases mentioned above are droplet infection and contact infection via contaminated hands or surfaces. It is important to take into account how the space works from a user perspective and ensure that all the key surfaces and materials are easy to clean already in the planning phase of building projects.

Building Information Ltd's "Indoor hygiene" building information files published in Finland include basic information about infections, how they spread and how to prevent

them. The information files also provide new guidelines for project-specific spatial design according to the level of infection control. In the future, the building information files will also include instructions regarding the upkeep, maintenance and cleaning of premises.

Teknos offers a range of products and paint systems for all levels of hygiene: from the basic level all the way to very demanding levels of hygiene.

When the key contact surfaces are made antimicrobial or completely contact-free, the number of diseases and infections that are transmitted through contact can be reduced by up to 50%. In turn, this reduces the rate of absence from work due to illness and will lead to significant savings in factors such as health care costs.



By investing in products developed for hygiene management, companies and organizations that build public spaces can invest in better health and in financial well-being.

# BIOCOTE® ANTIMICROBIAL TECHNOLOGY

The active antimicrobial component in Teknos products is silver phosphate glass based on BioCote® technology. BioCote® technology makes the paint surface hygienic and is proven to protect against many types of microbes, such as bacteria and molds.

BioCote® has been proven to reduce bacteria and microbes on products by up to 99.5% in two hours or 99.99% in 24 hrs. The antimicrobial efficacy of BioCote® technology has been tested according to standard ISO 22196:2011.

## TIMANTTI CLEAN

BioCote®-protected TIMANTTI CLEAN special acrylate paint is resistant to frequent cleaning, wet scrubbing and the detergents used in hospitals. The paint is suitable for freshly primed and previously painted concrete, plaster, and building board surfaces. The hygiene-management properties of the paint remain effective throughout the lifetime of the paint film.

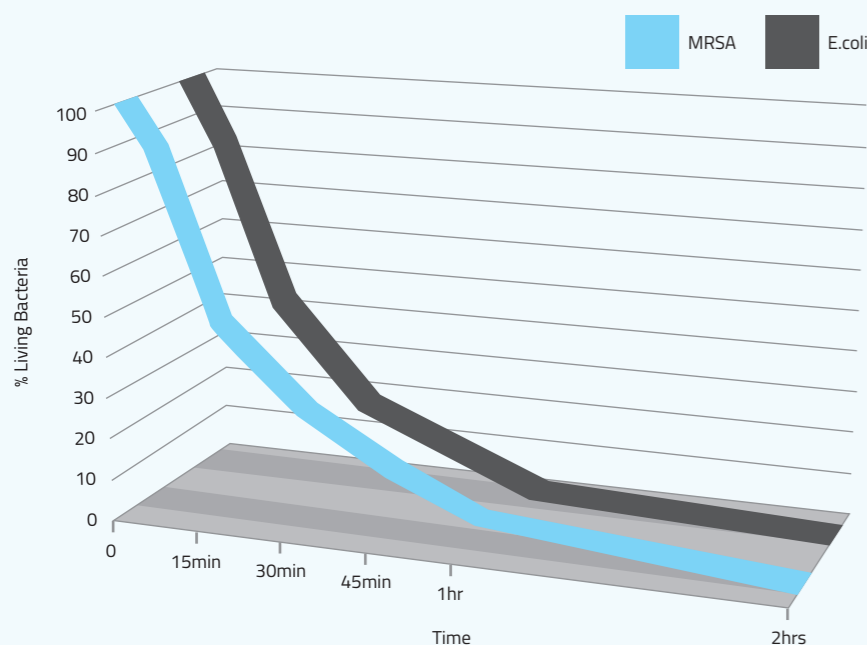
TIMANTTI CLEAN is in Group M1 in the Emission Classification of building materials (the Finnish Building Information Foundation RTS) and the product has been granted the right to use the allergy label of the Finnish Allergy and Asthma Federation. TIMANTTI CLEAN is suitable for use indoors where the durability class is O4 or O5 (Finnish MaalausRYL 2012) and where wall and ceiling surfaces must be easily cleaned and abrasion resistant. The product's wet scrub resistance is class 1 according to EN 13300 (ISO 11998).

## INFRALIT

BioCote®-protected INFRALIT EP/PE 8235 powder coating and INFRALIT PE 8435-10 clear coat are the ideal coating solution for applications that require the best possible level of hygiene.

INFRALIT EP/PE 8235 epoxy polyester powder coating is suitable for steel and aluminum surfaces and is available as glossy (90), semi-gloss (75) and matt (30). The full-gloss (95) INFRALIT PE 8435-10 polyester powder clear coat provides a hygienic finish to surfaces with an ordinary powder coat primer. Besides their hygienic properties, the powder coating and clear coat have top-of-the-class wear and corrosion resistance, making them suitable for very demanding applications.

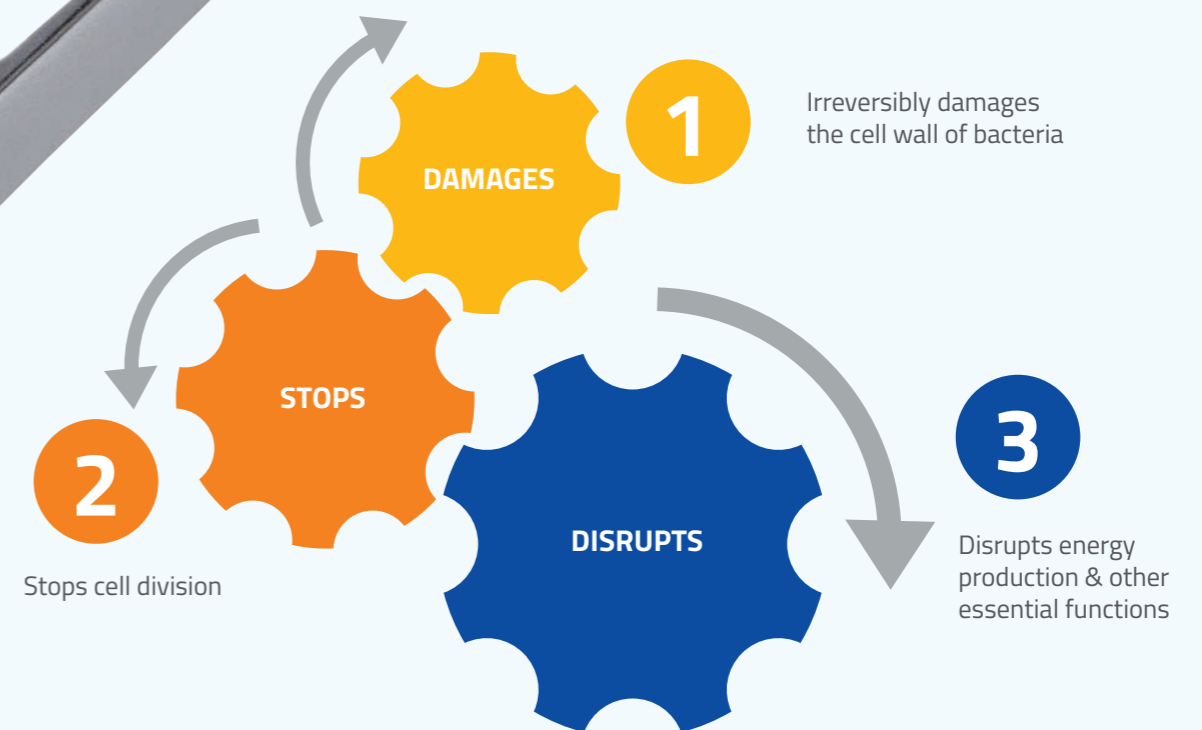
Our hygiene management products are available in an almost infinite variety of colors, so public spaces can be designed as colorful, inspirational, and hygienic.



REDUCES UP TO  
**99,5%**

of MRSA and E.coli bacteria  
in 2 hours

The antimicrobial efficacy has been tested according to standard ISO 22196:2011.



# HYGTECH ALLIANCE

www.hygtechalliance.com



## Holistic solutions for hygiene management in public spaces

HygTech Alliance is the alliance of six leading Finnish companies. Together, they have created the world's first holistic hygienic product package for public spaces. The companies in the alliance – Abloy, Isku, Korpinen, Lojer, Oras and Teknos – are convinced that building technology solutions and fittings developed for hygiene management will enable a significant reduction in the rates of healthcare-associated infections and other diseases transmitted through contact.

The alliance aims to play its part in supporting work to prevent infectious diseases and strives to identify solutions to epidemics and global challenges such as pandemics.

## THREE STEPS OF CLEANLINESS

Hygienic surfaces work like a 24/7 cleaner, actively and tirelessly preventing the bacteria from spreading. They are, however, only one part of the solution. Complete cleanliness can be achieved by following all three steps.



WASHING HANDS



REGULAR CLEANING



HYGIENIC SURFACE

## LET US MAKE PUBLIC SPACES COLORFUL, INSPIRING AND MORE HYGIENIC!

- ✓ Hospitals, medical centers, and other health care facilities
- ✓ Research laboratories
- ✓ Kindergartens, schools, and colleges
- ✓ Sheltered housing and homes for the elderly
- ✓ Offices and meeting rooms
- ✓ Hotels, restaurants, and cafés
- ✓ Public transport
- ✓ Gyms



More information about our hygiene management products:  
<https://www.teknos.com/industrial-coatings/special-coatings/hygienic-coating-solutions/>

CONTACT US

We will be happy to help you choose the right paint and coating for your application.

# WE MAKE THE WORLD LAST LONGER

Teknos is a global coatings company with operations in more than 20 countries in Europe, Asia, and the USA. Teknos is one of the leading suppliers of industrial coatings with a strong position in retail and architectural coatings.

Teknos wants to make the world last longer by providing smart, technically advanced paint and coating solutions to protect and prolong. Teknos always works in close cooperation with its customers. Teknos was established in 1948 and is one of Finland's largest family-owned businesses.

For further information, visit [www.teknos.com](http://www.teknos.com).

## WOULD YOU LIKE TO KNOW MORE?

<https://www.teknos.com/hygiene-coatings>

