

# Hygienic CeramicSteel

EMEA Premium Writing Surfaces

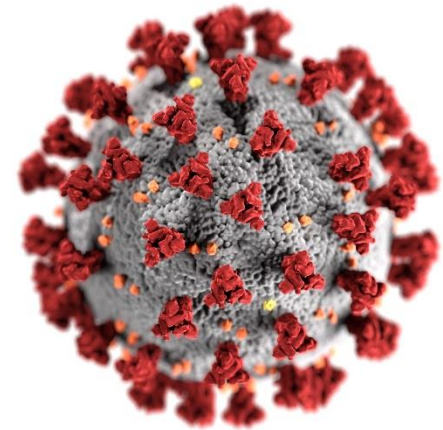
# Our world after Covid19

As we begins to look beyond the crisis, we ask,

*“ What changes do we need to make in our surroundings?”*

Many organizations need to adapt classrooms, offices and meeting rooms to adhere to new guidelines set out to keep us all safe in these changing times.

The crisis has been noted by many financial institutes, like PWC\*, as **“one of the biggest business challenges of our time.”** So, how do we try and ensure the health and safety of our spaces in this changing environment?



\* <https://www.pwc.com/us/en/services/governance-insights-center/library/covid-19-returning-workplace-boards.html>

# How PolyVision contributes

Everyone is doing their part to help shape how we live and work after the COVID19 crisis and making workplaces and schools spaces safer.

CeramicSteel has long since been ***bacteria-resistant***, meaning the surface is not damaged or influenced by any bacterial activity and germs have nowhere to hide on the smooth and scratch resistant surface.

With PolyVision's new **Hygienic surface** that is anti-microbial, we are doing our part to keep the surfaces clean and free from bacteria and germs.



Chemical Resistant



Scratch Resistant



Bacteria Resistant



Fire Resistant



Graffiti Resistant



Stain Resistant

# The Science

# The history behind the Silver

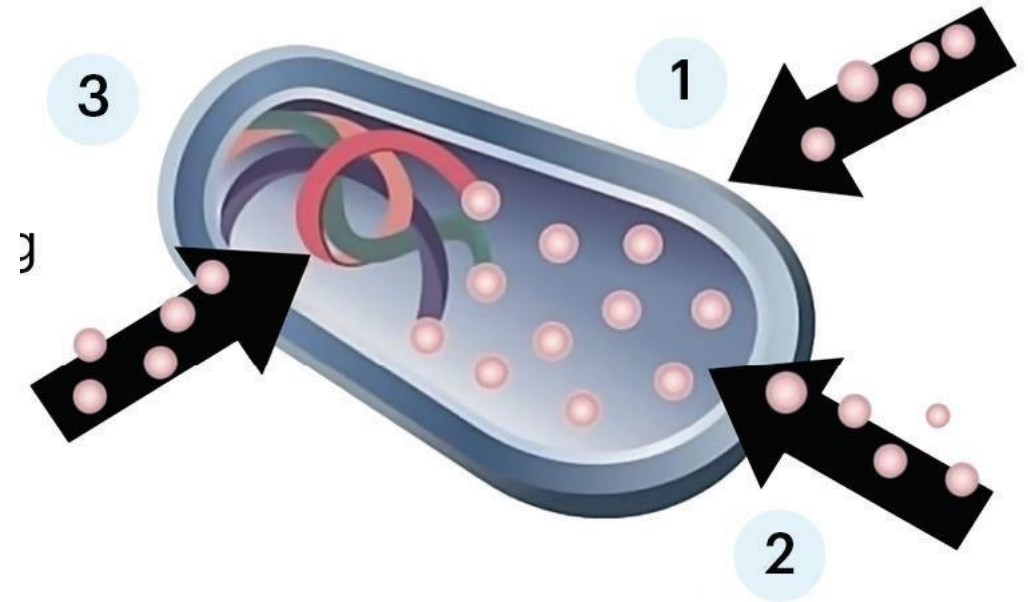
Since ancient times, Silver has been known to be effective against a broad range of microorganisms. Ancient civilizations used the metal to treat open wounds and early pioneers used Silver to keep water barrels fresh.

Today, **silver ions** are used to destroy bacteria growth in a variety of medical and non-medical products and you'll even find the metal in many clinically tested skincare products.



# Silver ions and how they work

1. Silver micro particles release silver ions slowly over time and penetrate the (bacteria) cell wall
2. Once inside the cell, silver ions disrupt the respiration of the cellular membrane, destroying energy production.
3. Silver ions attach to the DNA of the microbe, inhibiting reproduction



This method actively works to keep the surface bacteria free for the lifetime of the product making it ideal for a variety of applications in public spaces such as schools, workplaces, airports, public restrooms, healthcare facilities and any demanding environments where cleanliness is vital.

# What is our claim to fame?

Tests performed by 3<sup>rd</sup> party labs on our Hygienic Surfaces in accordance with ISO 22196:2011, concluded that the silver eliminated 99% of bacteria within 24 hours.

The manufacturer of the silver incorporated in PolyVision's CeramicSteel performed screening tests with certified labs in Germany and concluded that various products containing the silver are effective against enveloped viruses.\*\*



\*\*The family of enveloped viruses includes, for example, the current coronavirus (SARS-Cov-2), SARS (SARS-Cov), MERS (MERS-CoV) and Influenza A.

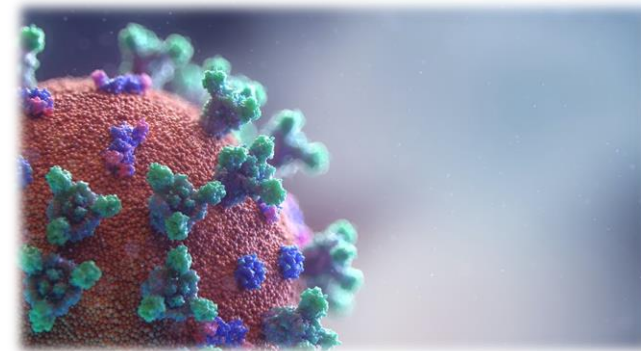
# Proof point

## Anti-Bacterial Testing

- The surface meets ISO 22196:2011 which measures the antibacterial activity of a surface
- Lab tests performed by a 3<sup>rd</sup> party showed more than 99% reduction of tested bacteria in 24 hours
- Preliminary test results from the lab obtained a 99.9999% reduction for E. Coli and 99.999% reduction for S. Aureus (Staph)

## Anti-Viral Testing in Progress

- The surface is undergoing testing for antiviral activity in relation to ISO 21702:2019
- The manufacturer of the silver incorporated in PolyVision's CeramicSteel performed screening tests with certified labs in Germany and concluded that various products containing the silver are effective against enveloped viruses.\*\*



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# Hygienic Surfaces

# The benefits in our environment

As we all look for ways to make our spaces safer and easier to keep clean, **Hygienic surfaces** can provide you with peace of mind with its features.

- Anti-microbial and eliminates 99% of bacteria within 24 hours\*
- Odorless and colorless
- Scratch resistant
- Silver particles are safe and non-transferable from the surface
- Lifetime warranty on the surface
- Environmentally safe
- Inorganic, smooth, nonporous surface
- Standard and highly potent cleaning solutions used for disinfecting and sanitizing will not damage the surface or the silver micro particles



# Hygienic surfaces in the right spaces

The Hygienic CeramicSteel surface is anti-microbial and is an ideal application for a variety of applications such as:

- Whiteboards
- Mobile whiteboards
- Desk dividers
- Table tops
- Modular walls
- Architectural wall panels
- Elevator vestibules
- Public restrooms
- Food processing areas
- Medical facility corridors
- Operating rooms
- Patient rooms



# How can it help?

- When multiple people are interacting with the same surface
- When close contact with the surface is required
- To avoid the use of harsh chemical cleaners in closed spaces
- To create a sense of safety in wellbeing in any open area
- To create separation in open concept workspaces



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