



Prevents  
the growth  
of bacteria  
and viruses

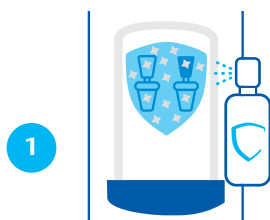
BRAND NEW PRODUCT

# Antibacterial and Antiviral Protection

Puraguard is a ground-breaking protective antimicrobial coating that can be applied to your dispensers taps, providing 24hr protection against the growth of microbes (bacteria, moulds, fungi and viruses).

Puraguard is virtually invisible, and proven to be effective against viruses from the coronavirus family. Upon contact with the protective coating 80% of microbes are eradicated within 15 minutes and up to 99.99% are gone within 2 hours. Your dispensers taps will have around-the-clock protection against unseen microbes.

## How it works



1  
Your dispensers taps are coated with Puraguard before being delivered to you



Puraguard coated surface

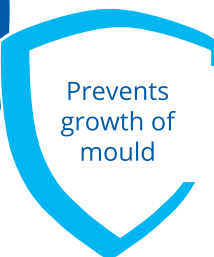
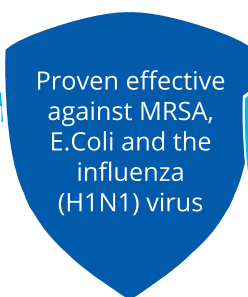
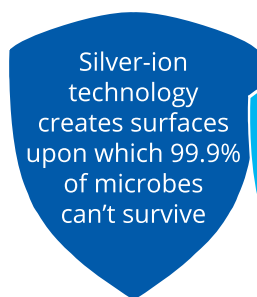
2  
Upon contact with the treated area silver ions on the surface of the coating immediately act against bacteria and viruses, disrupting their normal cell function and reproduction



Puraguard coated surface

3  
Bacteria die and the surface is cleaner and more hygienic for use

## Major benefits of Puraguard protection



Ask us for more information, and to request Puraguard antibacterial and antiviral protection.

Call **01392 877172** Email **hello@thirstywork.com**

**www.thirstywork.com**



BRAND NEW PRODUCT

# Antibacterial and Antiviral Protection

Products protected by Puraguard anti-microbial technology will negatively affect bacteria that contaminate the surface through:

## Protein Damage

Proteins are essential for biological systems of life. Any damage to these components causes the failure of essential functions such as energy production.

## Cell Membrane Damage

By disrupting the microbes membrane its structural integrity is compromised which can cause essential nutrients to leak out and catastrophic structural failure.

## Oxidative Damage

Anti-microbial's can cause increased levels of reactive oxygen species which result in damage to the internal system of the microbe.

## DNA Interference

The genetic material of the bacteria is disrupted ultimately stopping the bacteria from being able to replicate by blocking the copying of their genetic material.

With the recent successful independent viral testing, it has been proven that products treated with Puraguard coating technology are also effective against a virus from the coronavirus family: the feline coronavirus, strain Munich. After testing to the BS ISO 21702:2019 standard, Puraguard coating technology was proven effective with a reduction of 90% in 2 hours.

Puraguard has been developed by by BROMOCO International and their leading bio-chemist.

## Aftercare Instructions

Your taps can be cleaned with food safe antibacterial sprays and wipes.

Do not use cleaners that contain any solvents or petroleum distillates.

## Tested Microbes

Anti-microbial additives have been tested and found to perform against a wide range of microbes including bacteria, fungi and viruses. Some of the most common are listed below:

### Bacteria

- ✓ Acinetobacter baumannii
- ✓ Bacillus subtilis
- ✓ Campylobacter coli
- ✓ Campylobacter jejuni
- ✓ Clostridium difficile
- ✓ E.coli
- ✓ E.coli O157
- ✓ Enterobacter aerogenes
- ✓ Enterococcus faecalis
- ✓ Legionella pneumophila
- ✓ Listeria monocytogenes
- ✓ Pseudomonas aeruginosa
- ✓ Salmonella enteritidis
- ✓ Salmonella typhimurium
- ✓ Shigella sp.
- ✓ Staph aureus
- ✓ Staph epidermidis
- ✓ Streptococcus faecalis

### Viruses

- ✓ H1N1 Influenza Virus
- ✓ Covid (Feline)

### Multi-Drug Resistant Bacteria

- ✓ ESBL Escherichia coli
- ✓ RE Klebsiella pneumoniae
- ✓ MRSA Methicillin Resistant Staphylococcus aureus
- ✓ VRE Vancomycin Resistant Enterococcus

### Fungi

- ✓ Mould
- ✓ Moss growth
- ✓ Lichens
- ✓ Algae

Efficacy against all of these microbes can vary and specific data are available on request.



Ask us for more information, and to request Puraguard antibacterial and antiviral protection.

Call **01392 877172** Email **hello@thirstywork.com**

**www.thirstywork.com**