



# microcote HPU

WHAT IT IS | HOW IT WORKS

[www.microcote.com.au](http://www.microcote.com.au)

## microcote HPU

microcote HPU is a solvent free, virtually odourless, urethane coating with exceptional adhesion and performance properties. Available in clear or colour with gloss or satin finish. Suitable for virtually any vertical or horizontal surface with inherent chemical resistance, anti-graffiti and moisture barrier properties. A range of additives makes microcote HPU suitable for an endless range of applications.

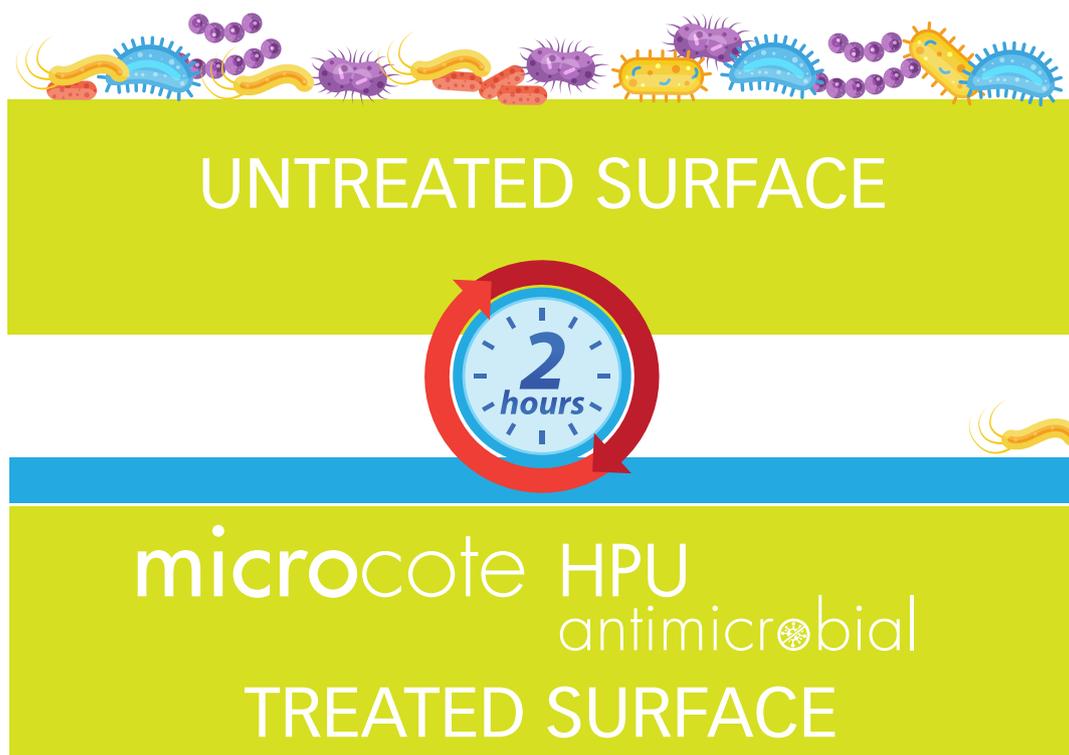
### ADDITIVES

- » **Accelerator** – Reduces curing time by 50%
- » **Performance Plus** – Improved bonding to 'hard to adhere to' surfaces and increased durability.
- » **GripLok™** – Anti-slip additive for Satin and Matte products – Up to P5 slip rating
- » **GripLok™ Gloss** – Anti-slip additive for Microcote Gloss – P3 slip rating with a gloss finish

## microcote HPU antimicrobial

microcote HPU antimicrobial has the added benefit of continuous active protection against microbes such as bacteria, viruses and mould.

This works 24/7, reducing microbe loads by up to 80% in 5 minutes and up to 99.9% in 2 hours.



## WHAT DOES ANTIMICROBIAL MEAN?

Antimicrobial is used to describe substances which demonstrate the ability to reduce the presence of microbes, such as bacteria and mould. Microcote Antimicrobial uses silver ion technology incorporated during the manufacturing process, to provide antimicrobial protection.

## HOW SILVER ION ANTIMICROBIAL TECHNOLOGY WORKS

Silver ion technology creates surfaces upon which 99.9% of microbes cannot survive.

Laboratory and real-life testing has proved that the technology reduces microbes by 80% in just 15 minutes and 99.9% in just two hours.

Working 24 hours, silver ion technology effectively fights a wide variety of microbes.

### A four-pronged approach

Products protected by antimicrobial technology will negatively affect bacteria that contaminate the surface through:



**Protein damage:** Proteins are essential for the 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:** Antimicrobials can cause increased levels of reactive oxygen species, which result in damage to the internal systems 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.

Bacteria die; surface is cleaner and more hygienic to use.



microcote HPU  
antimicrobial  
TREATED SURFACE

## SURFACES

- » Resilient floors – vinyl, rubber, linoleum
- » Timber – sports floors, engineered and solid timber floors, parquetry, decks, doors, tables.
- » Concrete – floors, carparks, warehouses, walkways, stairs, walls, benchtops.
- » Tiles – ceramic, terrazzo, porcelain, stone – porous to high gloss.
- » Metal – ferrous and nonferrous metals, fabricated metal products, door and window frames.

## APPLICATIONS

- » Restore existing vinyl, rubber or linoleum to remove scratching and improve appearance and reduce cleaning costs.
- » Rejuvenate ceramic, porcelain, terrazzo, stone and provide hygienic protection for grout lines on floors and walls.
- » Seal or colour concrete floors in corridors, kitchens, warehouses and carparks, including safety line marking, logos and lettering.
- » Timber sports floors, hardwood floors, covered decking and other engineered or solid timber floors including parquetry.
- » Metal surfaces including steel door frames, stairs, cover plates and engineered metal products.
- » Superior finish where gloss enamel paints are required with virtually no odour.



BEFORE

Scuffed, faded and stained fibreglass tables at a school.



AFTER

Lightly sanded and one coat of Microcote HPU Grey.

## BENEFITS

### Low to zero VOC's and virtually odourless

microcote HPU is produced using water as a solvent and does not use traditional solvents or co-solvents\*. It has no free monomers when parts A and B are mixed.

The result is a virtually odourless, very low to zero VOC product that can be applied in sensitive areas, such as patient care and sterile areas, without affecting the surrounding areas.

\*Tints and additives may contain small amounts of solvents

### Minimal downtime with one coat application and fast cure time

Foot traffic in 6–8 hours\* and vehicle traffic in 24 hours\*.

The one coat system means many applications can be completed in a single night avoiding loss of trade and minimising disruption.

Fast, one coat application also significantly reduces labour costs.

\*Dry times are affected by environmental conditions such as temperature and humidity. Always test before application.

### Anti-Graffiti – Dry erase

microcote HPU has inherent chemical resistance properties that prevent bonding of paint, spray paint and markers allowing them to be removed without damaging the coatings.

Pressure wash or scrub with warm soapy water will remove most graffiti. More difficult to remove areas can still be treated without damage to the coating.

Dry erase markers can be removed without ghosting or shadowing allowing any surface to be turned into a whiteboard.

### Moisture barrier

microcote HPU is not a waterproofing membrane but provides an effective moisture barrier, whilst allowing moisture vapour to escape.

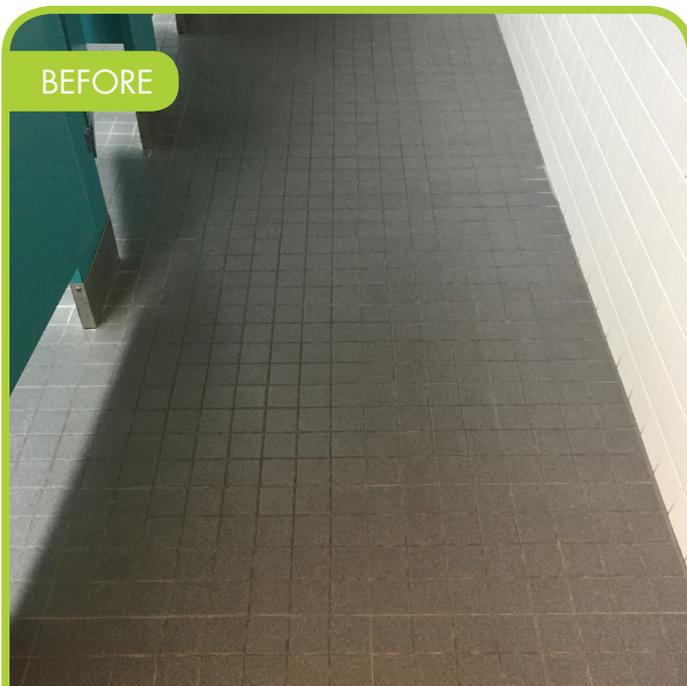
This minimises bubbling and peeling often associated with epoxy coatings where moisture is trapped under the coating (see installation instructions for maximum moisture levels).



Concrete substrate coated with Microcote HPU Dark Grey in a cool room with high forklift traffic.



Betadine stained vinyl in a scrub room, coated with Microcote HPU without disruption to surrounding operating theatres.



Ceramic tile and grout restoration with Microcote HPU Gloss.

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