

ANTIMICROBIAL COPPER SURFACES

CREATE
THE
DIFFERENCE



MIRO® CU


Copper surfaces to fight viruses and germs

The copper coating of MIRO® CU makes surfaces antimicrobial – while looking, feeling, and lasting just great. Add it to any piece of furniture or shop interior to create an additional level of protection for customers and employees:

- Lifetime effectiveness against germs (kills 99.99% of them)
- Works from the very first second, without any chemicals
- Easy to apply and remove

MIRO® CU is manufactured in a nanotechnology process (PVD). The elementary copper is bonded onto the anodised aluminium base and builds a lasting connection.

The copper surface will develop a natural patina over time and establish an even classier look – which has no negative implications on its effectiveness against germs.



MIRO® CU 0.1 mm
(with self-adhesive back)



MIRO® CU 0.5 mm

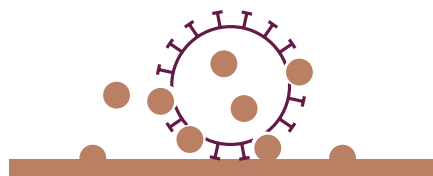


99.99% of viruses killed

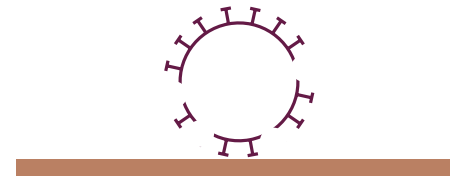
Research has confirmed that MIRO® CU fights germs most effectively. Its smooth surface of pure copper has been proven in lab tests* to eliminate up to 99.99% of bacteria and viruses.

* Reference: Lab report from EuroVir Institute 2020

The scientific process behind it



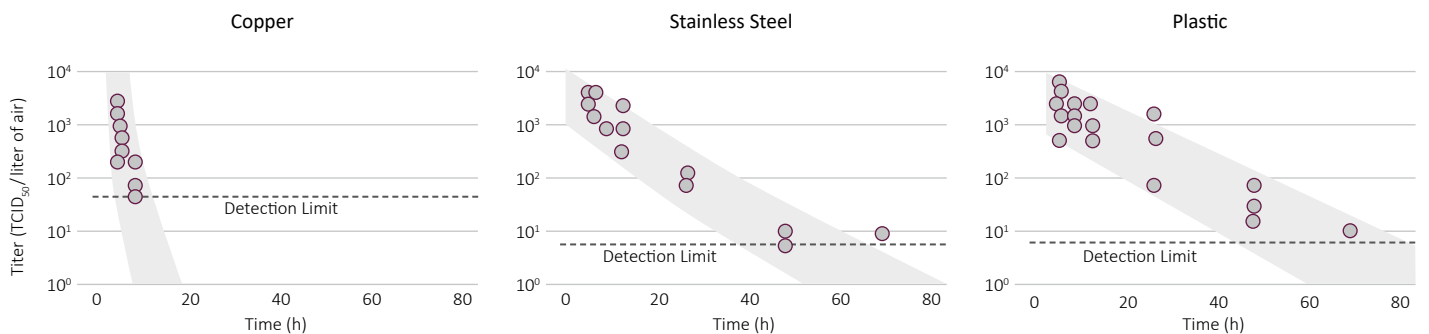
Copper dissolves from the MIRO® CU surface and starts to damage the cell.



The cell membrane is permanently ruptured, which leads to the destruction of the virus.

Copper acts faster against microbes

Compared to other surfaces in everyday life, e.g. plastics or stainless steel, copper acts much faster against viruses, bacteria and other germs. Scientific studies have proven it to be effective against Corona viruses within a maximum of 4 hours, while other surfaces take days to achieve the same.



Predicted decay of virus titer

Reference: The New England Journal of Medicine, April 16, 2020

Product Specifications MIRO® CU

	MIRO® CU 53 Millfinish	MIRO® CU 711 Brushed Finish
Thickness	0.5mm	0.1mm
Max. width	1,250mm	1,260mm
Front-side protection	protective film	optional protective film
Reverse side	anodised	optional pressure sensitive adhesive
Delivery options	<ul style="list-style-type: none">• Coil• Strip• Sheet• Blanks	<ul style="list-style-type: none">• Coil• Strip• Sheet• Blanks

Care for the Environment

Conserving natural resources has been part of our corporate philosophy ever since our company was founded in 1975. Today, Alanod is a climate-neutral, sustainably run company. Due to the excellent recycling properties of aluminium, our materials use up to 90% recycled aluminium. This consumes up to 95% less energy compared to primary aluminium production.

Our cutting-edge post-combustion technology enables production of all of our materials without the need for excessive energy input. All our electricity needs are met using “100% green” energy sources.

Made in Germany

Our high-tech materials are all manufactured at our sites in Germany.

System Development

Our broad-based team of experts develops individual solutions for our customers in close cooperation with international research institutions and long-standing industrial partners. Talk to us so that we can work together to fulfill your wishes.



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