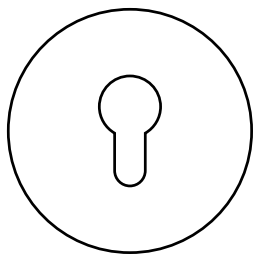
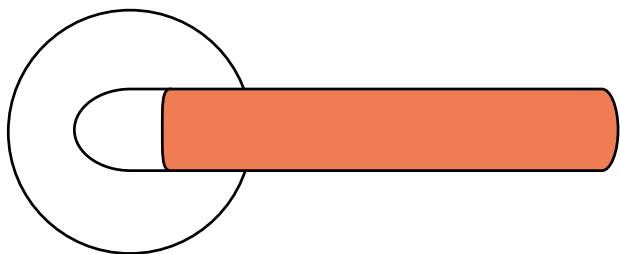


# Shieldex<sup>®</sup>

## Copper-Tape



# Properties

International studies have repeatedly proven that copper has antiviral, antibacterial and fungicidal properties, as it shortens the half-life of viruses, bacteria and fungi.<sup>1</sup> A study commissioned by the US government has shown that copper also inactivates the SARS-CoV-2 virus.<sup>2</sup> Because of its positive properties, some hospitals also use door handles made of solid copper.<sup>3</sup> Independent laboratory research shows that our Shieldex Copper-Tape, due to our unique metallization process, results in an average 7-times higher release of copper ions compared to solid copper.<sup>4</sup>

# Technical data

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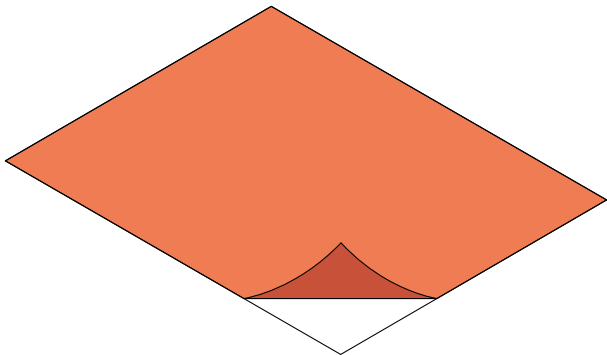
Size of the blanks:	8 cm x 10 cm x 0,55 mm (3,1 in x 3,9 in x 2 in)
Surface material:	copper-plated polyamide fleece
Bonding material:	Acrylic (can be bonded from 15 °C, bonds resistant from -40 °C to +120 °C)
Storage:	Cool and dry, at 15-25 °C (59°F-77°F) up to 65% relative humidity

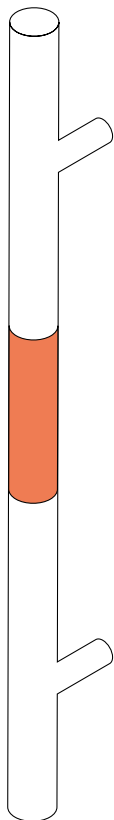
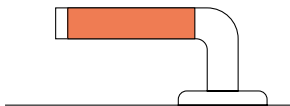
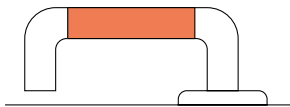
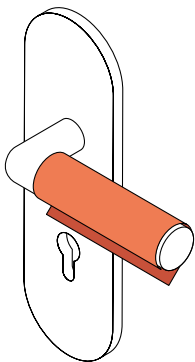
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# Application

The tape can be used on all smooth surfaces, but not on textiles. Possible applications: Door handles and window handles.

1. When applying the tape, make sure that the surface is dry, free of oil, grease, dust and dirt.
2. Remove the transfer film on the back.
3. Attach the adhesive side of the textile onto you handle bar, making sure to center it within the surface area. Gently smooth the textile from the center to the edges.





Door handles & window handles

Push-Pull Handles



# Safety Instructions

Our polyamide and polyester textiles are plated with pure copper. Various international studies have shown a significant and exponential reduction in the survival time of viruses, bacteria and fungi on copper surfaces. However, since our Copper-Tape has a significantly increased copper ion release compared to solid copper, permanent contact with the skin is not recommended. This product serves as a supplementary measure and does not replace hygiene measures such as regular, thorough hand washing or hand disinfection.

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⚠ Keep away from power sources -  
Product is electrically conductive

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⚠ Keep away from children

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⚠ Avoid eye contact

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⚠ Do not swallow, do not put in mouth

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⚠ Copper can cause allergic reactions

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⚠ Color change is normal (oxidation)

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# About Statex

Since 1978 Statex has been an innovative pioneer in the field of textile metallization. Due to the antimicrobial properties of noble metals, our products have been used in the medical field for wound dressings and plasters for over 20 years. Our textiles are also currently being used internationally for the manufacture of respiratory masks.



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## Sources

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3767632/>  
<https://aem.asm.org/content/73/8/2748>
- 2 <https://www.nejm.org/doi/10.1056/NEJMc2004973>
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