



Sudmetall®

ABACO



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THE PROBLEM

- Germs are spread mostly by the hands



→ The antibacterial coating on fittings prevents this



- = a thin antibacterial coating
- A combination of PVD and customised, antibacterial nanotechnology.
- There are four notable properties which make ABACO so unique!



What makes ABACO so unique?

1. **Speed:** Proven to completely destroy bacteria after only 5 minutes.

Bacterial growth and spread is completely inhibited immediately after first contact with ABACO (bacteriostatic function).



What makes ABACO so unique?

2. Durability: The antibacterial properties of ABACO improve over time and with general wear and tear.

The antibacterial properties of ABACO are guaranteed for a period of 20 years.



What makes ABACO so unique?

3. Design: No visual difference to „conventional“ fittings.

A wide variety of colours available:



ABACO fittings offer individual design possibilities.

What makes ABACO so unique?

4. **Versatility** in terms of the fitting's design and application.

Both indoor and outdoor installation possible.

Door handles, security fittings, window and push handles, panic bars etc.





In summary...

- ... ABACO provides reliable protection from germs and also ensures that the original design of the spaces concerned is in no way comprised.
- ... ABACO can be useful for both public and private spaces.
- ... ABACO has numerous possible applications...

Possible Applications:



Nursing Homes



Universities and Schools



Hospitals and Doctors' Surgeries

Possible Applications:



Airports



Offices



Kindergartens

The effects are scientifically proven



- Scientific validation has been provided by the Universities of Navarra (Spain) and Brescia (Italy)
- In accordance with the standards JIS Z 2801:2010/A1: 2012 (highest standard) and ISO 22196:2007 (E)



The effects are scientifically proven



- Bacterial strains: Escherichia Coli and Staphylococcus Aureus are the most widespread bacteria. Responsible for many contact infections.
- ABACO destroys the bacteria cell membranes.



The effects are scientifically proven

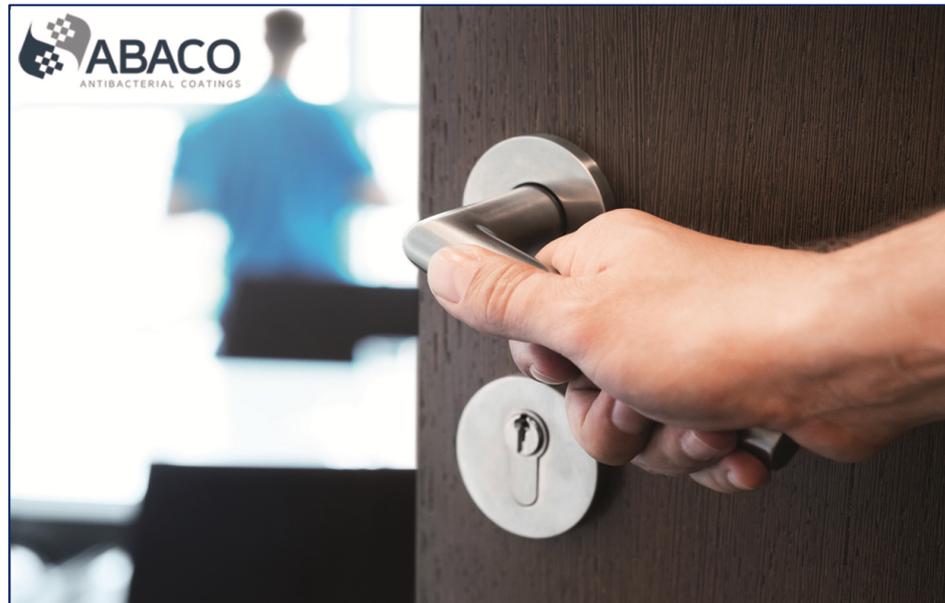


- Excellent results: all the qualities and properties mentioned above can be verified.
- According to DM and 3/21/1973 the coating is completely safe for human contact.





Thanks for your attention!



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