



Südmetail®



**ABACO**  
A PVD ANTIBACTERIAL & VIRUCIDE COATING

# ABACO

**We declare war on CORONA!**  
antibacterial. antiviral. 20 years warranty

The topic of health and hygiene is more important than ever in times of the coronavirus pandemic. We now know that the coronavirus is transmitted primarily by droplet infection and aerosols. But other pathogens, germs and bacteria are also frequently transmitted via the hands - and consequently often via door handles. Our aim is to minimize health risks and prevent infections.

After the actual pandemic situation, the Almar Südmetail Group has been working hard to make the ABACO® PVD coating more and more effective against viruses. The ABACO® coating has been tested to be virucidal against the coronavirus strain MHV, the genus Betacoronavirus (same genus and family as SARS-CoV-1, SARS-CoV-2 / COVID19 and MERS). The above tests were carried out by the Biology Institute of the University of Campinas - Brazil in accordance with the international standard ISO-BS ISO 21702: 2019 (first edition 2019-05-27). The research and development department of Almar Südmetail Group has always strived to further develop the ABACO® coating in order to constantly improve its properties.

ABACO® fittings therefore not only have an antibacterial and antimicrobial effect and begin to kill bacteria after only 5 minutes, but also have a bacteriostatic function, because already after the first contact with ABACO® bacteria are completely contained in their spread. From the 45th minute after contact the bacteria are killed and already after 2 hours ABACO® fittings promise 99.99% antiviral effectiveness.

## What is ABACO?

ABACO® is a PVD surface which, in combination with silver ions, achieves excellent antimicrobial and antiviral efficacy. The PVD surface provides excellent resistance and durability by preventing the antimicrobial layer from scratching off as with a conventional coating. Furthermore, it ensures that ordinary daily use does not limit the effectiveness of ABACO®, but even intensifies it.

**Südmetail guarantees the antibacterial and antiviral properties of the surface for a period of 20 years.**

In addition to its remarkable technical properties, ABACO® is also a true design wonder. Numerous models from the Südmetail range are available in ABACO® design and are available in stainless steel, chrome and gold finishes. Fittings for outdoor use can also be selected in ABACO® surface without hesitation - the antimicrobial effectiveness remains unrestricted indoors as well as outdoors.

ABACO® has been scientifically validated in accordance with JIS Z 2801:2010/A1 : 2012 - which is the highest standard - and ISO 22196 : 2007 (E). In accordance with DM and 3/21/1973, no precautions are required for the daily use of ABACO® products. The surface is completely safe for contact with harmless.

