

A close-up photograph of a person's hand gripping a cylindrical metal door handle. The background is blurred, showing what appears to be a window or a brightly lit interior space. The lighting is soft and natural, highlighting the texture of the skin and the metallic surface of the handle.

# dorsët

## SAFE TOUCH

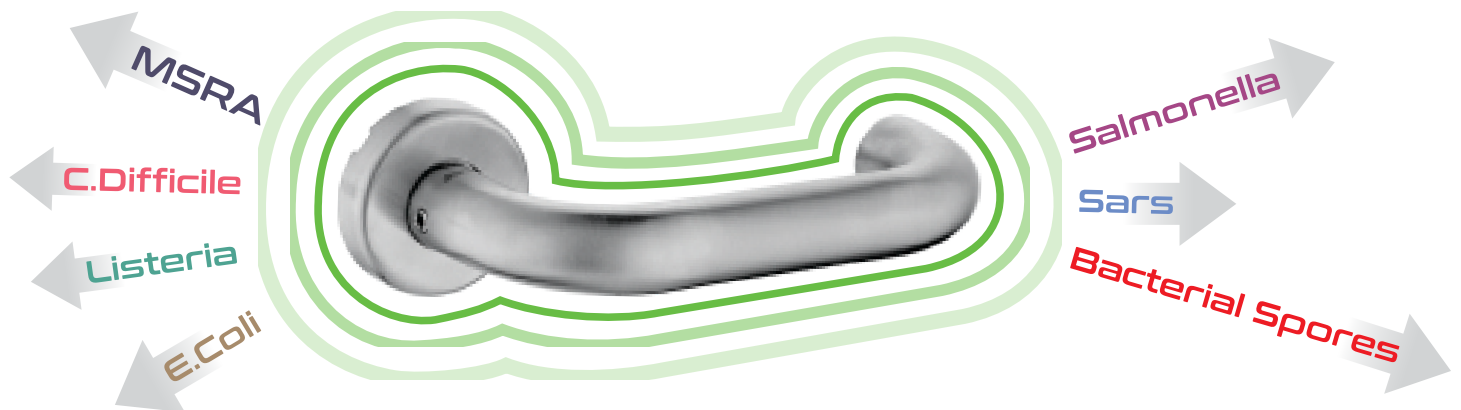
*Door Handles with  
Anti-bacterial coating*

### A SHIELD AGAINST BACTERIAL & MICROBIAL GROWTH

It is common knowledge that we are surrounded by bacteria, which are microscopic, mostly single-celled organisms. Bacteria can be both beneficial as well as harmful to human beings. Harmful bacteria such as E.coli, salmonella, SARS, etc. can cause serious infections such as cholera, tetanus and various respiratory and gastric diseases. Bacteria thrive in warm and moist conditions. The use of anti-microbial or anti-bacterial agents is required to destroy them and prevent them from spreading.

One of the most common places where bacteria breed in profusion is publicly-used areas such as hotels, hospitals, railway stations, and airports. The most vulnerable of these are hospitals where many of the occupants already suffer from some illness. Hospitals, therefore, need to be extra careful and sanitized regularly and properly to ensure that bacteria are not allowed to breed. Despite all precautions, it is often not possible to completely prevent bacteria from breeding. Door handles and other exit mechanism, which are handled by a large number of people, are particularly susceptible to harboring bacteria which can live for hours on the surface and transfer from one person to another.

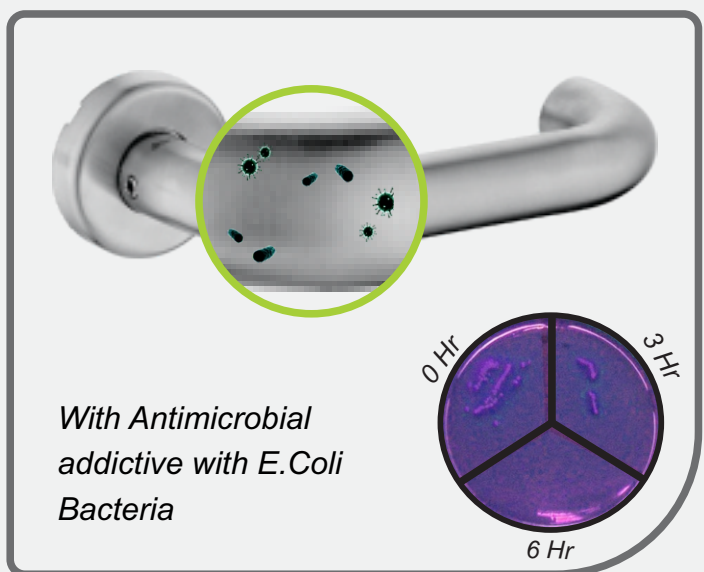
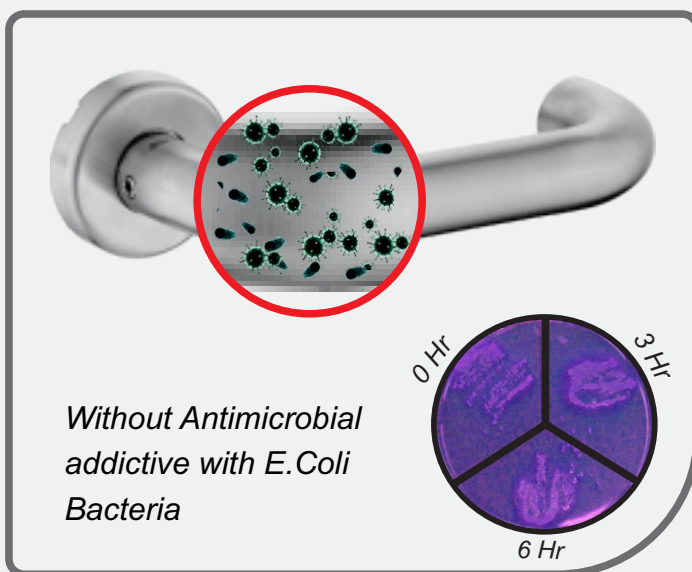
Viewing this situation with concern, Dorset, a leading supplier of high-end architectural hardware solutions, set their R&D team the task of finding a solution to the problem. The result was Dorset Safe Touch, which is an imperceptible anti-microbial and anti-bacterial coated hardware. Safe Touch uses proven silver-based technology, innovated by Dorset, which prevents the spread of bacteria and other microbes. Safe Touch products are effective against a wide array of bacteria, mold, fungi, algae and mildew and provide protection against E.coli, SARS, MSRA, Salmonella, Listeria, C.difficile and various other bacterial spores.



### How its work:

Safe Touch, a typical nano-silver coating that starts at an effective rate of being able to neutralize about  $10^3$  germs per hour, though it's effectivity drops off to zero germs per hour technology just after a few weeks. Safe Touch coating continuously destroys organisms in three ways – by attacking the cell wall, interrupting metabolism and preventing reproduction.

- *Natural*: Silver is a naturally occurring, safe and non-toxic antimicrobial agent.
- *Long-Lasting*: Ensure's and retain's more then 5 years of contentious efficiency.
- *Tested to ISO 22196 : 2011* giving a complete reduction of more than 99.97% under the test conditions.



### Product Range:

A complete range of product suitable for use in Healthcare Environment. These are product which have been specifically designed to protected against the growth of bacteria & microbes.

1. Lever Handles
2. Pull handles