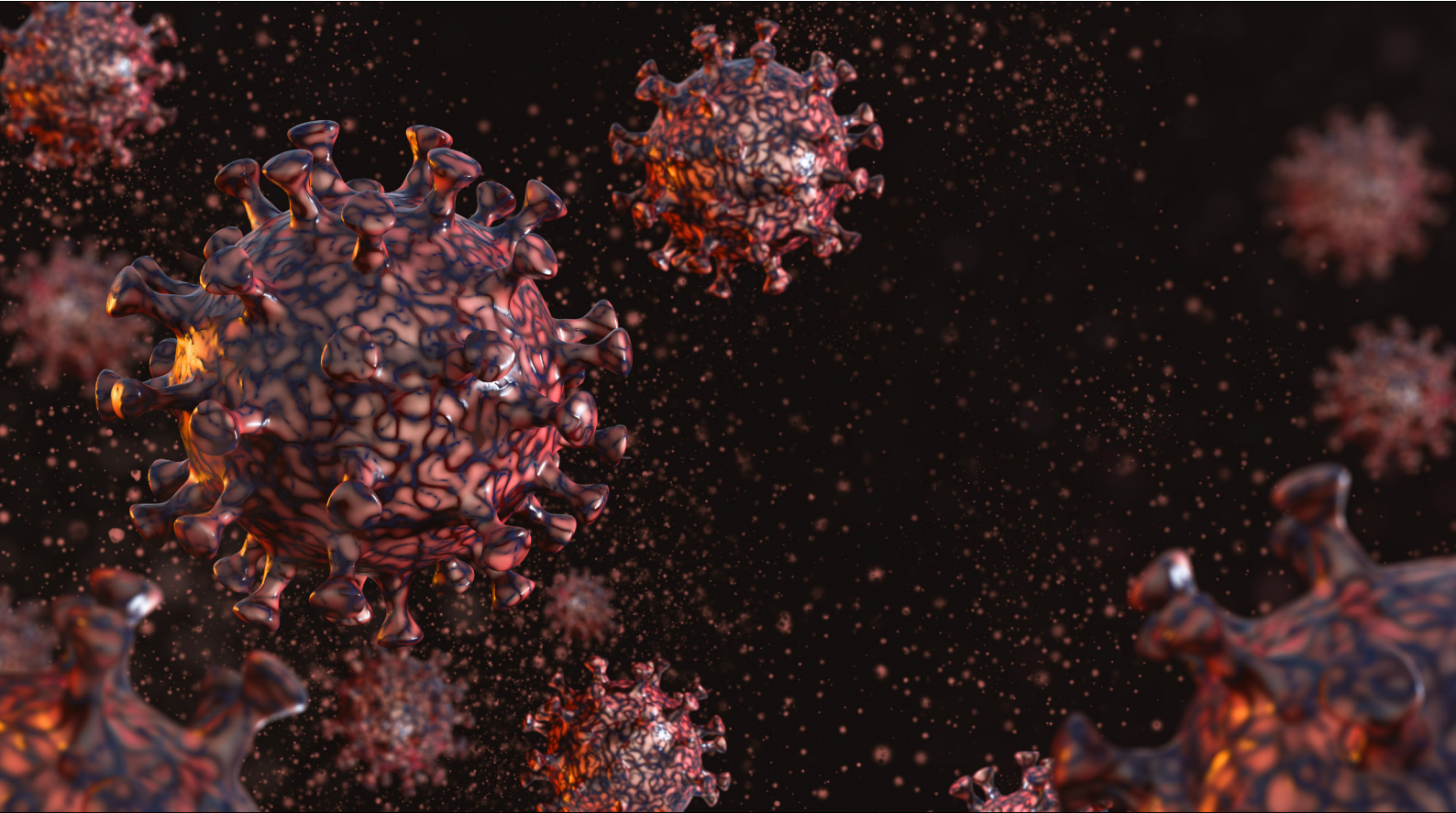


# franchi<sup>®</sup> safetouch

The future of antibacterial coatings







Potentially deadly bacteria and viruses are spread from person to person everyday. It may be by direct contact, airborne, or picked up by touching an everyday object. As we pass through buildings, it's often impossible to avoid interactions with handles, push plates and other ironmongery which can harbour the contagion from previous users even with regular cleaning.

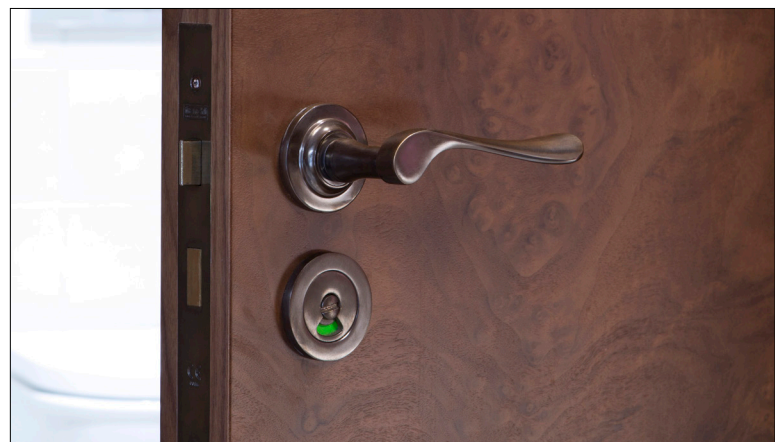
Following extensive research we are now able to offer our ironmongery with a special photocatalytic antibacterial coating, that actively kills bacteria and viruses as soon as it comes into contact with them.

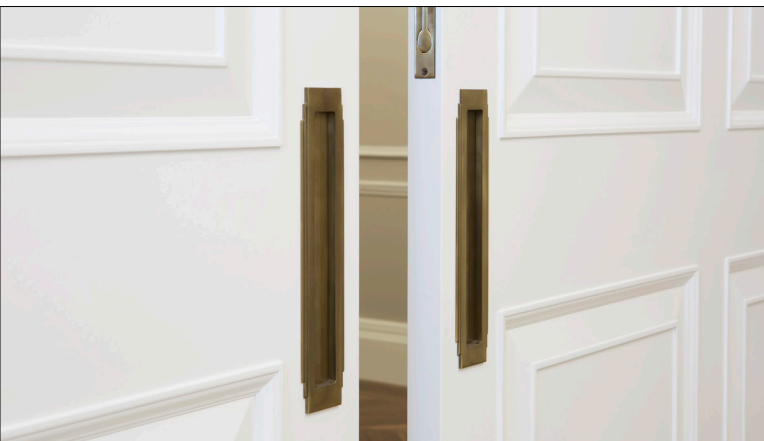
Franchi's Safetouch protective finish differs from other antibacterial coatings as it doesn't use paints or lacquers impregnated with silver or other antibacterial agents.

Instead Safetouch utilises nano-particles of  $\text{TiO}_2$  (titanium dioxide) which have photocatalytic properties. UV light causes excitation of the  $\text{TiO}_2$

and water (vapour present in the air) is broken down to form hydroxyl radicals and free oxygen radicals. These are a powerful combination and break down any passing organic material into carbon dioxide and water.

The photocatalytic properties of nano  $\text{TiO}_2$  have been used in coatings for self cleaning glass for many years, but it is the antibacterial properties that will help in our battle against infection.





The nano particles in Safetouch are extremely small, typically 8 millionths of a millimetre, allowing for a very thin (as little as 0.001 of a mm) protective finish.

The Safetouch finish is completely transparent and can be applied to any metal substrate. This transparency means that it does not detract from the texture or beauty of any surface treatment of the base material.

## Longevity

Safetouch has been developed to give the longest possible defence, providing antibacterial protection for many years to come.

Time doesn't affect its ability to kill bacteria and viruses, it will continue to work as long as the finish remains on the piece of ironmongery. Under normal circumstances, this would be a minimum of five years

The finish also provides the same protection from tarnishing as transparent lacquers, but unlike traditional lacquers it lasts much longer.

## Cleaning

Clean warm water is all that is needed to keep the surface clean, avoiding the use of environmentally unfriendly agents. The self-cleaning action of the finish means that residue and dirt can be simply wiped away.







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