



The Science of SAFETOUGH

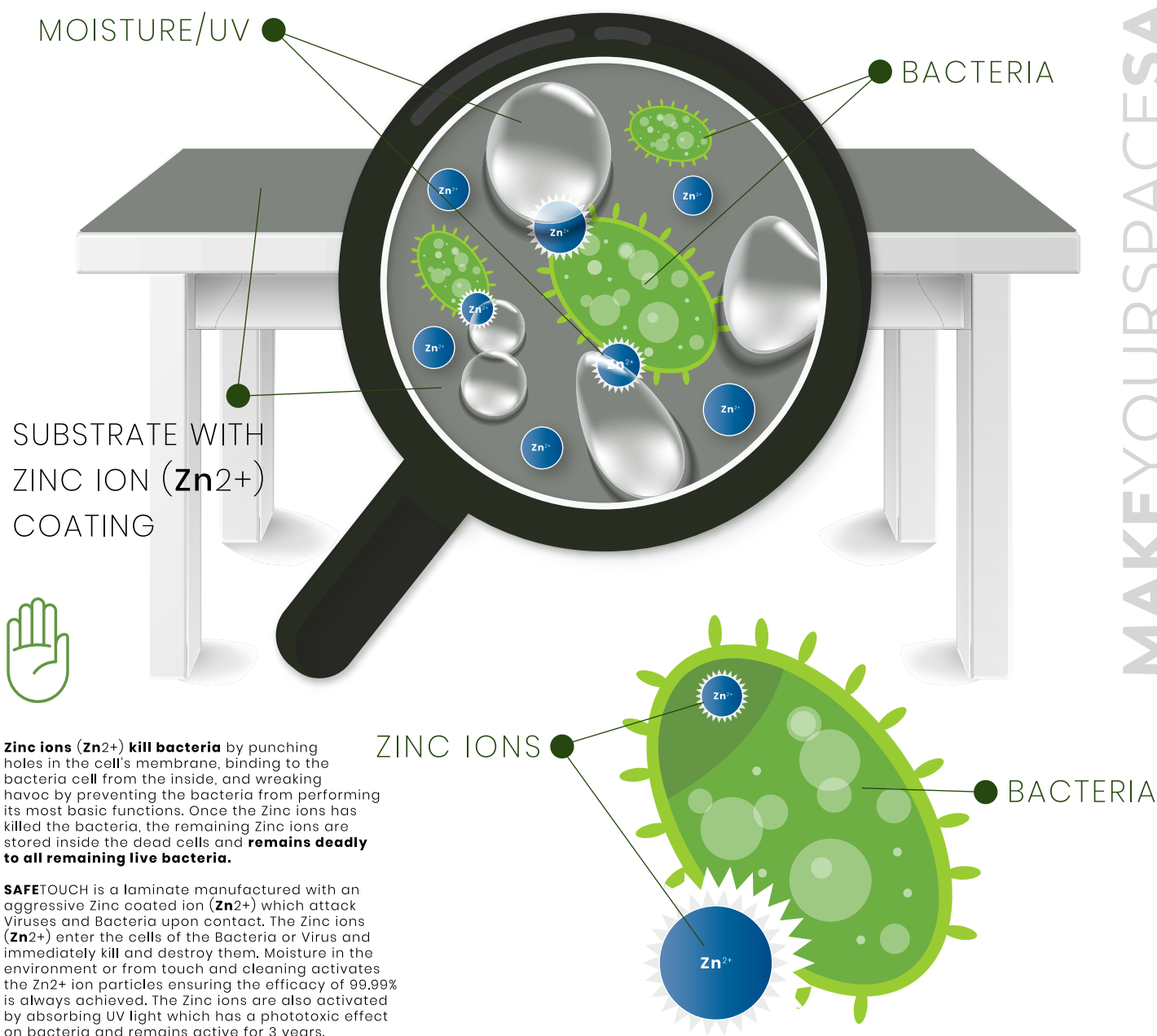
ANTIBACTERIAL TECHNOLOGY

Viruses are tinier than **bacteria** and have a protein coat and a core of genetic material, either RNA or DNA.

Unlike **bacteria**, most **viruses** can cause disease, and they are quite specific about the cells they attack. **Zinc Ions not only kills bacteria**, but **viruses as well**. No matter how the **virus** mutates, it cannot influence and change the way living body cells respond to invasion. This allows **Zinc ions long-lasting antibacterial power** to be effective in countering viruses.

Zinc is a well-documented antimicrobial, that has been shown to **kill bacteria**, fungi and certain viruses. **Zinc** (Zn^{2+}) ions target microorganisms through several different modes of action.

1. Zn^{2+} ions perforate the virus cells.
2. Zn^{2+} ions inhibit the cell respiration cycle.
3. Zn^{2+} ions stop the replication cycle – killing the bacteria.



MAKE YOUR SPACE SAFE