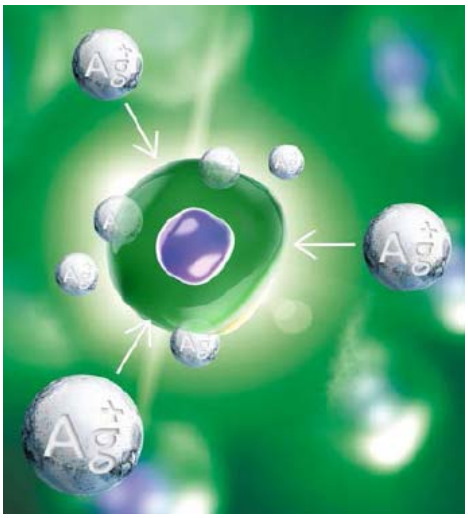
PRESS RELEASE
02.2020

"SAN - Antimicrobial" line: new technopolymer components

Components in special technopolymer prevent the proliferation of microbes, bacteria and fungi on the surface of the product, avoiding their reproduction ensuring a perfect sanitizing action.

The range of components for sanitary equipment: handles, grip knobs, solid knobs, wing nuts and adjustable handles of the SAN-Antimicrobial line by Elesa+Ganter



HOW SILVER IONS Ag+ WORK
1. THEY BREAK THROUGH THE MICROBE CELL WALL
2. THEY INTERRUPT INTRACELLULAR ENZYMES
3. THEY ATTACK THE DNA OF THE MICROBE TO STOP CELL REPLICATION

During the World Antibiotics Awareness week, 12-18 November 2019, promoted by the World Health Organisation (WHO), Animal Health and by the FAO, the 11th Edition of the European Antibiotic Day was celebrated to raise awareness of the importance of antibiotics and their appropriate use among the population and the healthcare profession.

According to WHO, antimicrobial resistance represents, today, one of the greatest threats to public health, due to the epidemiological and economic impact of the phenomenon.

There are very high resistance rates especially for some of the main bacteria responsible for care-related infections and community infections, such as *Clostridium* difficile, *Pseudomonas aeruginosa*, methicillin-resistant *Staphylococcus*, *Hetococci* resistant to vancomycin, *Acinetobacter baumannii*, *Escherichia Coli* and *Klebsiella pneumoniae*.

Elesa+Ganter recently enlarged its **SAN line** with new components in technopolymer, with the aim to overcome a problem of great importance that countries around the world are facing: the danger of antibiotics resistance.

SAN products are available in technopolymer **RAL 7021 grey-black** or in the **new RAL 9016 white colours**. The laser-engraved logo is clearly recognisable on the matte surface.

The **special technopolymer** with silver ion additives on an inorganic base (without active pharmaceutical ingredients, antibiotics or pesticides) prevents the proliferation of unhealthy organisms such as microbes, bacteria and fungi by penetrating the surface of the cells, attacking their DNA.

These components are ideal for medical, hospital, rehab and disability aids and equipment, machines for the pharmaceutical industry, street furniture and public fittings.

Contact:

Fabio Invernizzi | +39 039 28 11 1 | fabio.invernizzi@elesa.com
Elesa S.p.A.
Via Pompei, 29 20900 Monza (MI) | Italy
+39 039 28 11 1 | info@elesa.com | elesa.com

elesa-ganter.com

DESIGNED FOR ENGINEERING

Strains used

- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%)
- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%)
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%)
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99,9%)
- Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%)

*Tests were carried out by **CSI S.p.A.**, a laboratory accredited and recognised by ACCREDIA the National Accreditation Body. The laboratory complies with the requirements of UNI CEI EN ISO / EC 17025. Certificate identification: C0144 \ FPM \ FOOD \ 19_1_2.*

*All components of the SAN-Antimicrobial line have received the **Statement of Compliance** "Antimicrobial Properties of Materials".*

Laboratory tests show that 98,9% of the bacteria is eliminated over the course of 24 hours (ISO 22196: 2001).

The inalterability of the antimicrobial characteristics extended over time, even after many washing cycles, is made possible by the controlled mechanism of silver ions release over time.

Despite the scrupulous carrying-out of traditional sanitisation procedures, especially in public places, hospitals and long-term care facilities, where it is easier to contract infections, 5-30% of microbial contamination can persist on surfaces or objects. It is therefore important to provide prevention to reduce the possibility of contracting these infections in such environments. Starting, first of all, with hygiene and frequent hand washing, which represent the main vehicle for transmitting bacteria.

Other solutions could be: use antibiotics only when necessary, provide screening actions for carriers / patients potentially infected by bacteria or, when necessary isolate them and arrange the use of special materials able to kill bacteria for high frequency contact surfaces - such as bed sides, handles, tables and mixer taps – in hospital environments.

Product technical data sheets, along with drawings and tables with codes and dimensions are available on our website **elesa-ganter.com**.

Contact:

Fabio Invernizzi | +39 039 28 11 1 | fabio.invernizzi@elesa.com
Elesa S.p.A.
Via Pompei, 29 20900 Monza (MI) | Italy
+39 039 28 11 1 | info@elesa.com | elesa.com

elesa-ganter.com