

ersto TIZER

ANTIVIRAL ANTIBACTERIAL SURFACE COATING

TECHNICAL DATA SHEET

Permanent antiviral antibacterial surface coating
with an efficiency of >99.99%.
24 hours a day - around the clock

Properties

ERSTOTIZER is an antiviral antibacterial functional surface coating based on modified acrylates. To protect the substrates from enhanced and permanent microbial loads, such as: MRSA germs, viruses, spores.

ERSTOTIZER preserves and protects the substrate from the expansion of existing microbes, 24 hours a day, 365 days a year.

ERSTOTIZER has been successfully tested by accredited laboratories.

It is chemically resistant to non-abrasive cleaning agents* and allows the use of conventional wiping and disinfection measures.

Effectiveness

> 99.99% reduction in pathogenic germs (ISO 22196)

- Staphylococcus epidermis DSM 18857
- Staphylococcus aureus DSM 799/ ATCC6538
- Escherichia coli DSM 1576 / ATCC 8739
- Pseudomonas aeruginosa DSM 939 / ATCC 15442
- Klebsiella pneumoniae DSM 6135
- Acinetobacter baumannii DSM 30008 / ATCC 15308
- Also active against TGEV-Coronavirus (model virus for SARS-CoV) and Influenza A

Processing

1

The surface must be load-bearing, dry and free of oil, grease, dust, dirt and components with a separating effect (such as silicone and PTFE). Apply the primer erstoprecoat to the surface and wipe it dry.

2

Always stir well before use. ERSTOTIZER can be applied by wiping, rolling, brushing, dipping or airless spraying. Apply ERSTOTIZER evenly. Clean tools or equipment with cold water immediately after use.

Use up quickly when open.

Recommendation: create a sample surface on the substrate before use.

Equipment cleaning

Clean equipment after use with cold water.

**FUNCTIONAL
SURFACE
COATING**

Technical Data



Designation: antiviral antibacterial surface coating	Layer thickness: ca. 150-300 nm	Salt water resistant: Yes
Colour: colourless, transparent	Transparency: 100%	Packaging: in 5 Liter canister
Odour: neutral	Viscosity: liquid, watery	Storage: Storage at temperatures between + 5 °C and + 35 °C
Hardness: about 4,5 - 5 H	Weather-proof: 2000 h according to ISO 11507 A (corresponds to ca. 3-4 years)	Shelf life: 12 months in closed condition
Yellowing: visible yellowing of the surface excluded	Temperature stability of cured coating: 150°C	Resilience (mechanical): Glass; ceramic > 40.000 cycles according to ISO 11998 (cleaning with water or paper towel) Noble metals > 20.000 cycles according to ISO 11998 (cleaning with water); Plastics > 5.000 cycles according to ISO 11998 (cleaning with water)
Chemical resistance: solvent-resistance		
Touch Dry: after approximately 10 minutes	Meshing: after 3 hours	Chemical curing: after 6 hours

Protection & security

ERSTOTIZER is an antiviral, antibacterial surface coating .

ERSTOTIZER is strictly to be used in its original form and according to instructions. It must not be mixed with other liquids or colours, enriched or diluted! After the drying process, the space can be used again without restrictions. Ventilate rooms well!

Remaining material should be sealed air tight in the original container and used within 3 months. After the remaining material has dried out, the container can be disposed of with household waste. Keep material away from children! ERSTOTIZER is safe for use in inhabited areas.

You are strictly advised to read and comply with the Technical and Safety Data Sheet.

ERSTOTIZER is free of nanoparticles and silver ions (nanoparticles and silver ions are highly absorbable and toxic for human skin)

This information reflects the current state of development.

Since application and processing is carried out externally and beyond our control, no liabilities can be derived from the application.

Always read labelling and product information before use.

Use biocidal products safely!

Area of application

Areas with increased microbial contamination characteristics. ERSTOTIZER can be applied to almost all non-silicone-based materials such as stainless steel, non-ferrous metals, aluminum, wood, hard plastics, ceramics, glass, stone and painted surfaces.

ERSTOTIZER's chemical basis consists of modified silicon dioxide (silan quat, with adhesion promoter).

Contact

ERST
SUSTAINABLE TECHNOLOGIES

📍 ERST Project GmbH
Aiterhofenerstr. 4. 94330 Salching Germany
☎ Phone: +49 (0) 9426 - 76 330 33
Fax: +49 (0) 9426 - 85 23 77
✉ info@erst-project.de
www.erst-project.de

