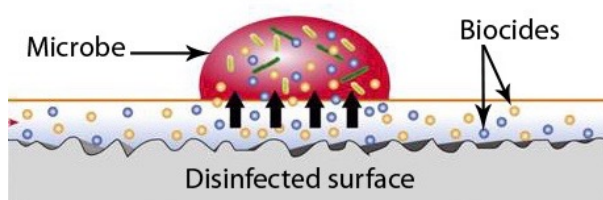
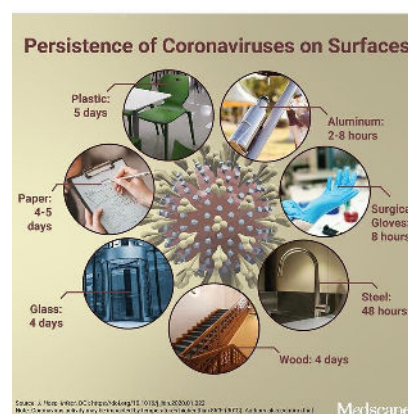


CERACOAT®DES long-time disinfectant is a highly effective surface and hand disinfectant approved by the governments of Switzerland (BAG) and Germany (RKI). In contrast to conventional disinfectants, antibacterial and antimicrobial protection occurs after a short time and provides lasting protection against viruses, bacteria and microbes.

Surface disinfectant - works for up to 10 days

Sustainable antimicrobial effect for up to 10 days
(tested according to ASTM E 2180)

CERACOAT®DES is a water based daily cleaner/ disinfectant which leaves behind a Multi-Functional Surface. Once the cleaning effect dissipates, a three dimensional nano-structured layer, measuring 40 times thicker than human DNA, is automatically formed and left behind, allowing for up to 10 days of antimicrobial protection.



This ultra-thin film ensures that dust, protein and liquids (i.e. sweat) will adhere loosely to the surface allowing for complete and effortless removal. These surface refinements make **CERACOAT®DES** ideal for those organizations who are mandated to maintain re-

gular/periodic cleaning processes.

Conventional disinfectants are immediately effective, however, their efficacy is limited to their contact time. Unwanted bacteria and viruses begin forming almost immediately, mere minutes after a surface cleaning. Using a highly innovative and unique 'controlled release' mechanism, the universally accepted active ingredient responsible for **CERACOAT®DES** antimicrobial effects is released from the nano-structured matrix only when required - allowing for lasting effects of up to 10 days, thus 'closing the hygienic gap', protecting the treated surface from microbial growth and virtually eliminating cross contamination between disinfection periods.

However, **CERACOAT®DES** does not need to be used as part of a two component system as it has been designed to serve as a stand alone 1-step clean, disinfect

and shield. By applying, it first cleans the surface and then, after around 5 minutes, the coating for a protection for up to 10 days is automatically built.

Extensive third party testing by internationally recognized laboratories confirm efficacy against the below micro-organisms.

- Staphylococcus Aureus
- H3N8, H1N1, H5N1
- Candida Albicans
- Pseudomonas Aeruginosa
- Escherichia Coli
- Salmonella
- Norovirus
- Aspergillus Niger
- Bovine Feline Calicivirus
- Vaccinia Virus Strain Elstree
- Herpes Simplex
- Enterococcus Hirae
- Proteus Vulgaris
- Rotavirus
- Adenovirus
- Coronavirus
- Bovine Viral Diarrhea Virus
- Legionella Pneumophila
- Vaccinia Virus
- HIV, HBV, HCV
- Bacillus Cereus
- Clostridium Difficile

Usage:

Ready-to-use, water-based solution for surface disinfection with a sustainable, antimicrobial effect.

Use:

Apply **CERACOAT®DES** long-time disinfectant to the surface and spread evenly with a cloth. Let dry. Do not rinse. Can be used on all surfaces. For sensitive surfaces, we recommend a resistance test in an inconspicuous area.

Testing according to DVV / RKI and EN 14476 guidelines:

limited virucidal activity: 5 min

(enveloped viruses including coronavirus, HIV, HBV, HCV, herpes, influenza, Ebola virus ...)

**JUST
ONE COAT
BOOSTS
YOUR VIRUS
PROTECTION
POWER UP TO
10 DAYS**



In these crucial times, when the world is fighting types of deadly viruses and bacteria, **CERACOAT DES** brings to you the innovative safety blanket devised with Nanostructured technology.

This formula is useful for:



**Effective
Cleaning**



**Powerful
Disinfectant**



**Long-lasting
Coating**

The coating provides robust safety against viruses, bacteria and microbes for upto 10 days.

Nano technology
**Ceracoat
Ceramic**
+ SWISS MADE

Disinfect Your Property's High-touch Surfaces with CERACOAT DES

- Tables/ Desks
- Switches
- Elevator Switches
- Cell Phone
- Remote Control
- Countertops
- Door Knobs/ Handles
- Faucets
- Keyboard of Laptop/Computer
- Cars (Steering Wheel, Radio Dials, Gear Shifts, Mirror, etc.)

Advanced Formula to Fight Bacteria and Viruses at Multiple Spaces



Education Institutions



Salons and Spa



Entertainment Centers



Government and Private Offices



Gyms and Healthclubs



Any Most Frequented Public Place



Hospitals and Doctor's Clinic



Shopping Malls



Car and Transport Vehicles

Innovative Nanotechnology for Your Sustainable Safety

CERACOAT DES is a water based cleaner/disinfectant that leaves behind a multi-functional surface. Once the cleaning effect dissipates, a three dimensional nano-structured layer, measuring 40 times thicker than human DNA is automatically formed and left behind that allows antimicrobial protection for upto 10 days. (tested according to ASTM E 2180).

How to use it?

- 1 Apply CERACOAT DES long-time disinfectant to the surface.
- 2 Spread the coat evenly with a cloth.
- 3 Let the coat dry. Do not rinse.
- 4 For sensitive surfaces, we recommend a resistance test in an inconspicuous area.

LET'S COLLABORATE FOR YOUR LONG-LASTING SAFETY





Use of a vaporizer for Ceracoat®DES

Vaporizer

These are the informations about a vaporizer and the optimal conditions of such a machine

Efficacy and use:

The Vaporiser is a misting machine that vaporises Ceracoat®DES, a disinfectant proven to offer long-term protection, using a heating and ionising turbine.

The particle size (on average 5µ) of this water-based, ready-to-use solution settles evenly on every square centimetre of the treated room in the form of a densely cross-linked dry mist.

Since no moisture is generated during this process, no sensitive items / objects need to be removed.

Ideal for:

Hospitals, clinics, doctors' surgeries, laboratories, ambulances, rescue services, elderly care homes, rehabilitation centres, thalassotherapy centres, saunas, spas and bathing facilities

Easy to use:

- Set up the Vaporizer in the room to be treated
- Simply screw the Ceracoat®DES in a 1000 ml bottle into the attachment
- Determine the volume of the room (L x W x H)
- Adjust the determined volume using the selector switch and
- press the On/Off switch
- Leave the room
- The device switches itself off automatically

The application comprises 2 steps: Misting + exposure time (no further wiping required)

Duration of treatment

The preventative treatment of a room with the dimensions: 4 x 3 x 2.10 m (LxWxH), i.e. around 50 m³, requires accordingly:

- Misting = 9 minutes
- Exposure time = 30 minutes
- Total duration per treatment = 39 minutes

Vaporiser technical data (example)

- Weight: various
- Electric turbine: 1.100 Watt (optimal)
- Speed: 22,000 rpm (optimal)
- No fluid injection pump
- Misting via the Venturi effect
- Up to 15 metres from the device
-

Best option for a Vaporizer:

- Mist exit speed: 80 m/s (example)
- Automatic switch-off
- Delayed start
- Self-extinguishing cover
- CE mark for medical products 0499 -
- Produced according to ISO 9001 / ISO 13485

CERTIFICATE

CERACOAT-DES

Ceracoat®DES protects and remains active up to 10 days after application and is resistant to the most common germs and viruses such as Covid19, MRSA, HIV, hepatitis B & C and Norovirus. Approved by several governments and the European Union: DIN EN ISO 13485:2010, DIN EN ISO 9001:2008, DIN EN ISO 10993-1, DIN EN ISO 14971:2007, DIN EN ISO 980:2003, EN 14885

Approval Switzerland BAG No	: CHZN1264
Approval Germany RKI No	: N-34071
Approval Luxembourg No	: 262/17/L
Approval Romania No	: 3651BIO/02/12.24



certification co



Swiss Confederation
Federal Department
of Home Affairs FDHA
**Federal Office
of Public Health FOPH**

ROBERT KOCH INSTITUT



AUGUST 31, 2020