

BIOLOGY UNDER CONTROL

Sanitized Hygienic Coatings for Public and Private Environments



Swiss antimicrobial expertise
since 1935

Timo Schock, Technical Manager
Sanitized Preservation, 11.11.2020

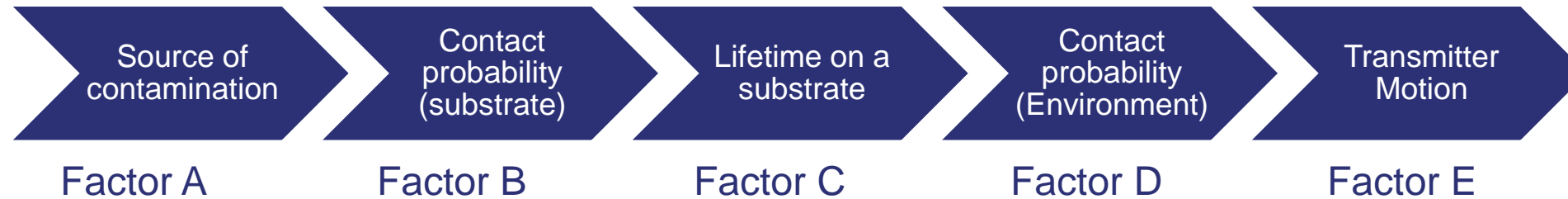




- _ SANITIZED AG is a family-owned company, located in Switzerland
- _ Over 80 years Experience in Hygiene Function and Material Protection for Textiles and Polymers and Paints
- _ In-can, Dry-Film and Antimicrobial Products available
- _ COVID19 has changed the perception and awareness for antimicrobial solutions dramatically
- _ Sanitized brings know-how and solutions to improve the current situation on a responsible way

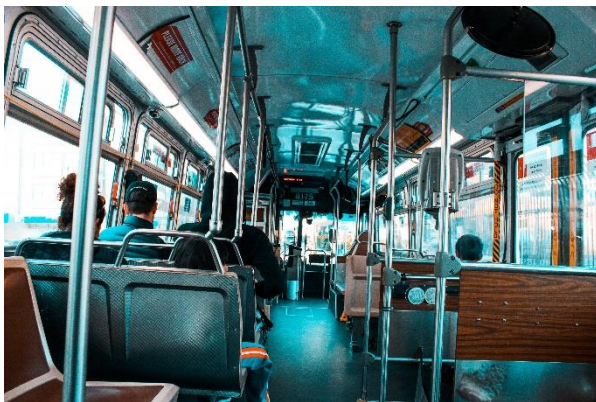
Risks of Infections Materials / Humans

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- _ Public transport (Trains, airports, taxi, car,..)
- _ Flooring, door handles, etc.

- _ Furniture (School tables, office furniture,...)
- _ Medicine (Instruments, cover, masks,...)



Material Protection vs. Antimicrobial Surface

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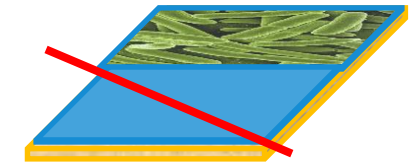
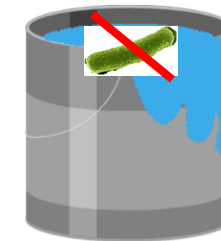


What is the main target?

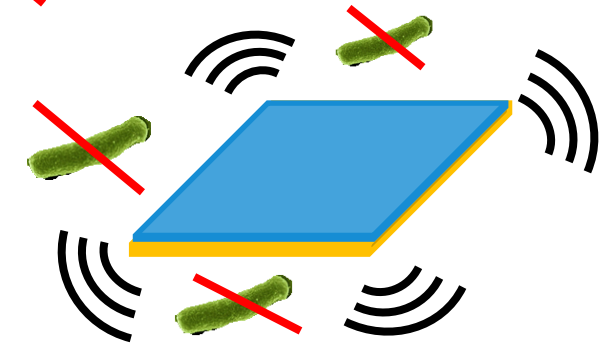
Liquid Paint

Solid Paint

Material protection:
No need for registration



Environment protection:
Registration required



Biocide



Antimicrobial surface

1. Marketing aspects (Claims)

2. Technical aspects

3. Regulatory aspects (BPR)



- _ PT 1, 2, 6, 7, 8, 9 and 10 of the BPR are relevant to paints and related industries
- _ The BPR is only a European authority
- _ For antimicrobial claims a product registration is needed (consumer protection)
- _ Antivirus claims are treated as PT2 claims by all EU authorities as of now
- _ PT1 and PT2 have special requirements (independent labs, efficacy data,..)
- _ Authorities are overloaded but follow up on claims without registration

PT1 = Human hygiene

PT2 = Disinfectants surfaces

PT3 = Veterinary hygiene

PT4 = Food and feed area

PT5 = Drinking water

PT6 = Liquid storage preservation

PT7 = Film preservation

PT8 = Wood preservation

PT9 = Leather, Polymers

PT10 = Construction materials

PT11 = Liquid cooling systems

Sanitized Solutions against Bacteria, Fungi and Viruses

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Sanitized Product	Biocidal active	Delivery Form	Typical Dosage	B	F	V
Sanitized AC+	Silver chloride CVE	Aqueous dispersion	0.10 – 0.50%	+	-	+
Sanitized AG+	Silver nitrate CVE	Aqueous solution	1.00 – 2.00%	+	-	+
Sanitized AP+	Silver Phosphate Glass CVE	Powder	0.10 – 1.00%	+	0	+
Sanitized ZI	Zinc pyrithione IPBC	Aqueous dispersion	0.30 – 0.60%	0	+	
Sanitized ZPT40	Zinc pyrithione	Aqueous dispersion	0.30 – 0.60%	0	+	
Sanitized ZPT100	Zinc pyrithione	Dry powder	0.05 – 0.30%	0	+	
Sanitized SQ	Silan Quat CVE	Aqueous solution	1.00 – 3.00%	+		+
Sanitized SQS	Silan Quat CVE	Solvent-based solution	0.10 – 1.00%	+		+

B = Antibacterial
F = Antifungal
V = Antivirus

+ = good performance
0 = slight performance
- = no performance

Corona virus effective active

Services Required to Proof the Efficacy

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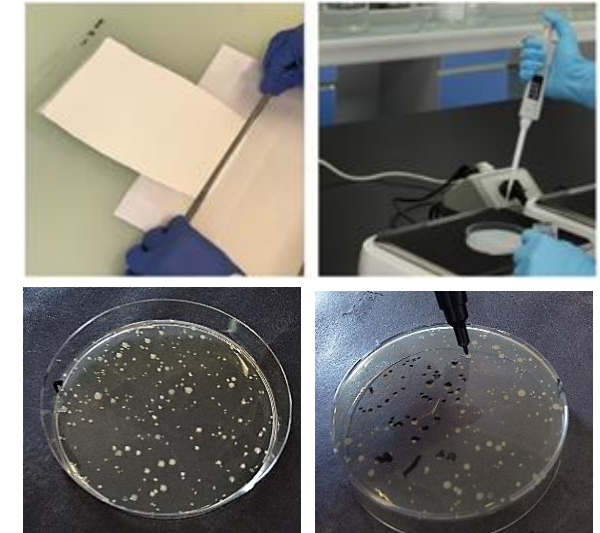


- **JISZ 2801 / ISO 22196 for Bacteria**
 - Every microbe is tested individually
 - 24h contact of surface and microbe to evaluate the reduction rate

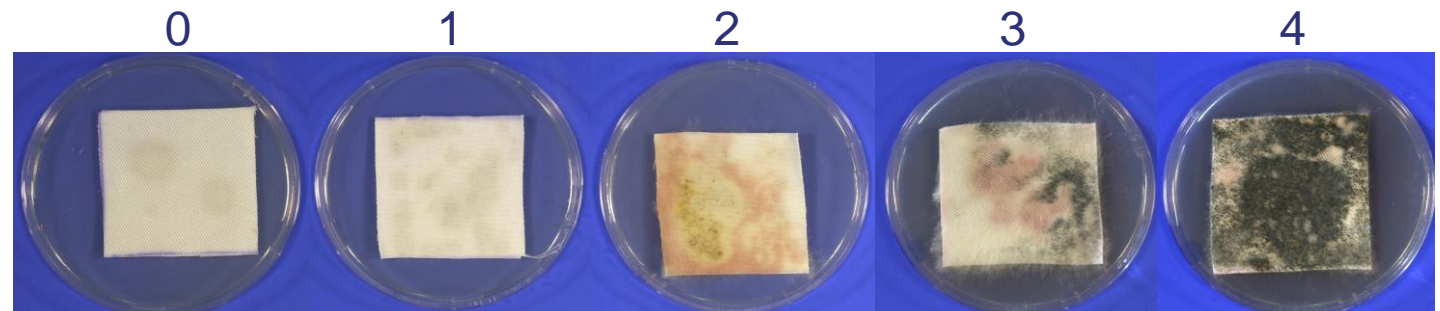
- **ISO 846 / ASTM D5590 (Mixture of different Fungi)**
 - 28 days growing time with intermediate results
 - Evaluation visually

- **ISO 21702 Antivirus**
 - Contact test
 - Remaining viruses are counted

Sample preparation



Evaluation by rating (ASTM D5590)





**The word Sanitized®
has a meaning.**

The blue diamond
guides consumers in
the mass of labels of
brands and functions.

Brandmarketing Fits!

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since 1935



- The Brand has already a meaning
“Sanitized”
- Reliable experience with formulation know-how
- Supports marketing without regulatory issues
- Allows more statements
- Communicates values to end customers



SANITIZED Preservation AG

The strong partner at your side

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since 1935



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