



BeSo[®] GUARDED

Inhibits bacteria growth and decomposes bacteria on garments.
Long lasting washing fastness.

With DENIMCOL iSys VRK + iSys AG

BeSo[®] GUARDED

- ▶ Effective against microbials [99.99%]
- ▶ Antimicrobial activity on finished textiles approved (ISO 18184)
- ▶ Protect yourself and your environment

TOGETHER
AGAINST
COVID-19

FROM PROFESSIONALS
FOR PROFESSIONALS



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SMART CHEMISTRY
WITH CHARACTER.

Bacteriostatic finish

Actively decomposes bacteria and inhibits growth of bacteria

Bacteria surround us everywhere we go. Some are good, some are bad. It was always like that.

But the worldwide pandemic shows the limitation of our hygienic standards and the potential dangers of contamination. Bacteria can stay for long period of time on textiles and can pose an increased risk of infection.

The product system DENIMCOL iSys VRK and iSys AG inhibits growth of bacteria on the surface of the treated textile.

As the combination of iSys AG with DENIMCOL iSys VRK is designed for a long-lasting finish, the component against bacterial growth will start working from the application of the garment and last throughout the supply chain.



Even after washing the garment many times, it still works to provide a hygienic and fresh outfit.

iSys AG

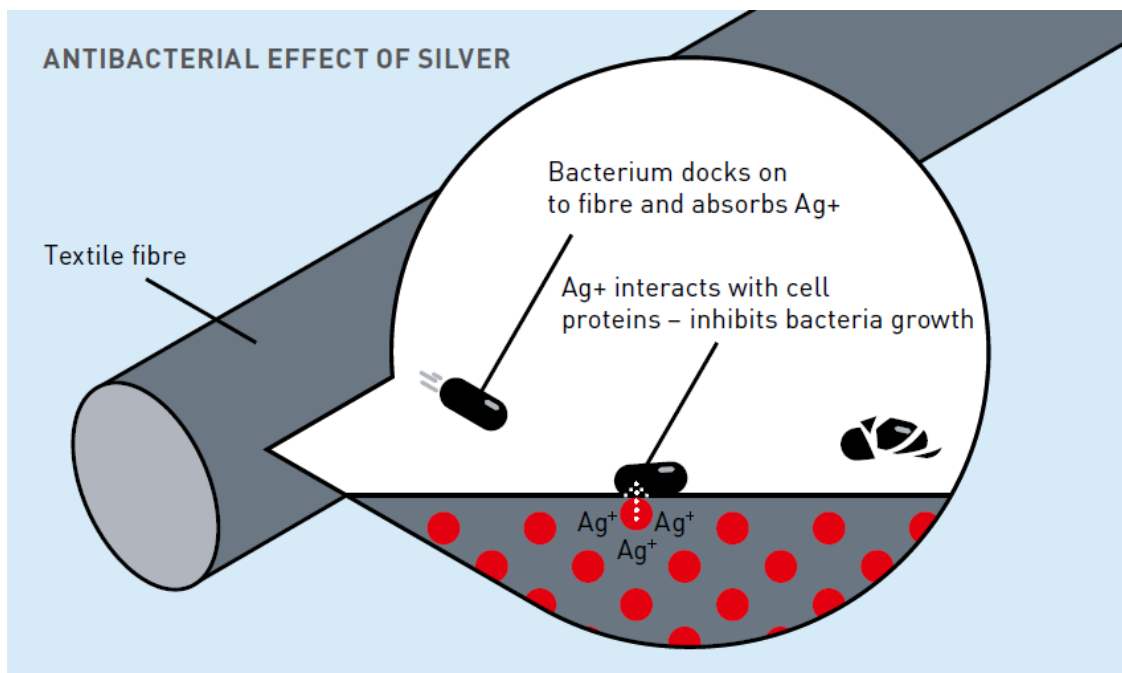
Chemical structure: Silver chloride
Appearance: white emulsion
Ionic character: non ionic
Function: Immobilization of bacteria and inhibition of bacteria growth.

- Compliance with BPR 528 / 2012
- Skin compatibility tested with OekoTex S100

DENIMCOL iSys VRK

Chemical structure: emulsion of organic products
Appearance: white to yellowish liquid
Ionic character: cationic
Function: Boosts the effect of antibacterial agent.

- Contains softener-component



Material requirements

Any garments with residue chemical products, especially tensides, should be prewashed well.

Residues of chemicals can hinder the effect of the silver-component or even block it completely.

If the garment has not been desized and stonewashed, we recommend to prewash with the stated process.

Prewash recommendation

Liquor ratio 1:8

DENIMCOL WASH-CPD	1.0	g/l
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or

DENIMCOL WASH-WN	0.5	g/l
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10 min, 40°C

Rinse warm and cold.

Continue with normal exhaust or dipping process.

- Needed if there is risk of residues of chemicals from previous treatment steps
- Or if you want to apply the system on already finished garments

Application Process

Apply the antibacterial finish with iSys AG and DENIMCOL iSys VRK as a final step of the treatment of the garment. DENIMCOL iSys VRK includes a softener-component.

Exhaust method

Liquor ratio 1:8

pH 5.5 with acetic acid

iSys AG	0.3 – 1.0	%
DENIMCOL iSys VRK	2.5 – 5.0	%

30 min, 40°C

hydro extract

dry in tumbler at 90-100°C

Regulation and Labels

Prior to using our products please make sure that the intended use complies with the legal requirements. Please note that the application of our product as well as the use of the finished material do not lead to undesired effects which necessitate an official notification or registration. We additionally recommend checking whether any precautions need to be taken to protect the operating staff or the environment.

Please note the information in the technical datasheet.

Use biocides safely. Always read the label and product information before use.

Find more smart effects with character:
www.cht.com/beso



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