

**SARATOGA<sup>®</sup>**

PROTECTS



**SARATOGA<sup>®</sup>**  
**PROTECTIVE CLOTHING**

PERSONAL PROTECTION AGAINST CB THREATS

# PERSONAL PROTECTIVE CLOTHING

BASED ON MISSION-SPECIFIC REQUIREMENTS

SARATOGA® CB protective equipment provides mission-oriented protection and innovative solutions for specific requirements in the fields of military and civil defense as well as for fire brigades and the police.

Blücher's leading role in high-performance sorptive compounds is based on its long-standing experience in material research, textile development and the production of systems to protect human life.

With over 50 years of experience, Blücher stands for advanced engineering sciences, analytical solutions and on-demand protective technologies and applications.

SARATOGA® technology is used in over 55 nations worldwide, including 22 NATO member states. Over 12 million SARATOGA® protection systems have been delivered to date.



12 MILLION PERSONAL PROTECTIVE SUITS DELIVERED WORLDWIDE

SARATOGA® PERSONAL PROTECTIVE CLOTHING

100%

CONTROL OF PRODUCTION

50

YEARS OF EXPERIENCE

350+

PATENTS

12M

CB PROTECTIVE SUITS WORLDWIDE WITH SARATOGA® TECHNOLOGY

55+

NATIONS PROCURED CB SUITS WITH SARATOGA® TECHNOLOGY

ISO 9001

RELIABILITY THROUGH INTEGRATED QUALITY MANAGEMENT

AAA

FINANCIALLY STABLE AND INDEPENDENT

→

STRONG FOCUS ON RESEARCH AND DEVELOPMENT ENSURES STATE-OF-THE-ART PRODUCTS

# EXPERIENCED RELIABLE USER-ORIENTED

MISSION-ORIENTED PROTECTION SYSTEMS

- 50 years of experience in development and production of CB protective clothing
- Control of production from key components to end product
- Focus on the full range from raw materials through protective fabrics to garments
- In-depth understanding of specific user requirements through intensive dialogue and cooperation with all stakeholders and partners



**SARATOGA® IS LIVE AGENT TESTED**

**NO OTHER CB PROTECTIVE CLOTHING TECHNOLOGY HAS UNDERGONE MORE SUCCESSFUL LIVE AGENT TESTS**

# BROADBAND PROTECTION AGAINST CB THREATS

MISSION-SPECIFIC INTEGRATION OF PROTECTION FEATURES



SARATOGA® protection systems provide flexible broadband protection against chemical warfare agents and hazardous substances.

SARATOGA® offers mission-specific solutions through integration of protective features for diverse requirements in the fields of military and civil defense as well as for fire brigades and the police.

### INCREASE OF OPERATIONAL EFFECTIVENESS

In addition to the adaptation of protective clothing to specific hazardous situations, further requirements are relevant:

- Reduction of the load on the wearer by low weight
- Increase of mission effectiveness through lightweight and stretch materials

## BROADBAND PROTECTION AGAINST ALL KINDS OF CHEMICAL AND BIOLOGICAL CONTAMINATION



### COVERING THE FULL RANGE OF PROTECTION

VAPOR

AEROSOLS

DROPLETS



### OPTIONAL INTEGRATION OF ADDITIONAL FEATURES

FLAME RETARDANCY

ANTISTATIC

CAMOUFLAGE



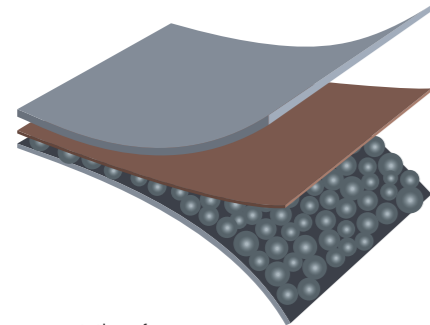
## MISSION-SPECIFIC SOLUTIONS

BASED ON A WIDE RANGE OF PROTECTIVE TECHNOLOGIES

# THE SARATOGA® TECHNOLOGY

HIGHLY EFFICIENT PROTECTION SYSTEMS

SARATOGA® CB protective clothing is based on high-performance adsorbents and sorptive compounds which offer outstanding protection against gaseous, liquid and aerosolized hazardous substances. SARATOGA® protection systems offer many other features to increase mission effectiveness.



Schematic representation of a SARATOGA® compound

## UNIQUE FEATURES

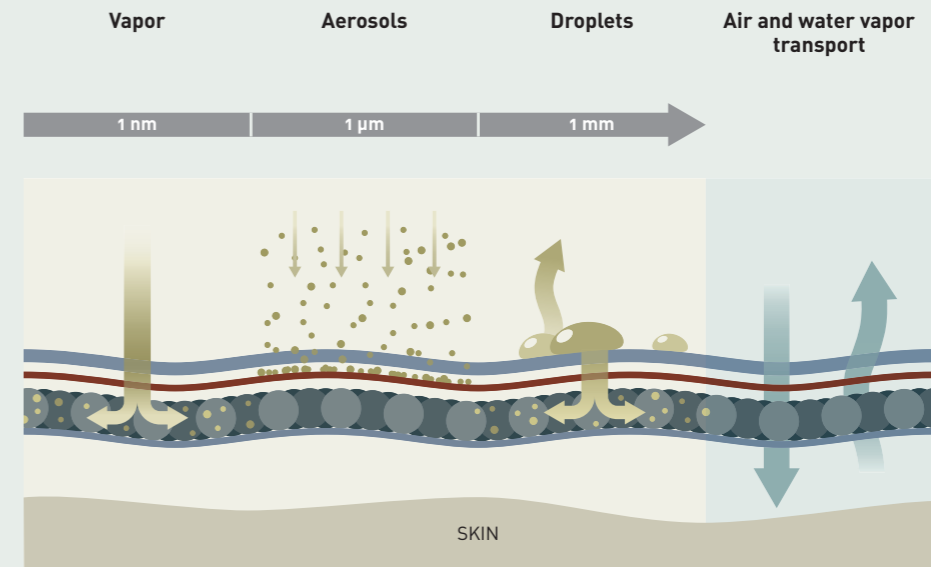
Mission effectiveness under all climatic conditions:

- Optimal ergonomics through stretch materials and optimised designs
- Low weight, high strength
- Air permeability

Low lifecycle cost:

- High durability
- Robust technology
- Long lifetime (wear time/shelf life)

Operating principle of sorptive compounds with high-performance adsorbents



A flexible system for mission-specific protection solutions.  
Single components can be adapted to requirements and ongoing operating conditions.

# SARATOGA® PRODUCT SOLUTIONS

MISSION-ORIENTED PROTECTIVE CLOTHING

SARATOGA® protective clothing includes overgarments, uniforms and undergarments as well as equipment for complete skin protection.

We develop mission-specific solutions for operational requirements. These solutions provide specific protective features for diverse threat environments.

SARATOGA® PROTECTIVE OVERGARMENTS	SARATOGA® PROTECTIVE DUTY UNIFORMS	SARATOGA® PROTECTIVE UNDERGARMENTS
		

## COMPLETE SKIN PROTECTION



Protective solutions for hands and feet for complete skin protection

## CONTINUOUS DEVELOPMENT

BLÜCHER DEDICATES SIGNIFICANT RESOURCES TO RESEARCH AND DEVELOPMENT

Various customer-specific protection needs and operational requirements have resulted in a variety of mission-specific technologies that serve as a basis for the development of new solutions.

Blücher's research and development is driven by the analysis and the understanding of customer requirements as well as by the creativity of Blücher's scientists, engineers and specialists. Blücher focuses on new technologies, advanced processes and innovative designs. All innovations are validated by intensive testing and evaluation.

## SOLUTIONS FOR YOUR REQUIREMENTS

CONTACT US

Allow us to discuss mission-specific solutions with you. We respond with flexibility and qualified support to your individual requirements.

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