



**PULCRA CHEMICALS SOLUTIONS
FOR PERSONAL PROTECTIVE EQUIPMENT (PPE)
DURABLE WORKWEAR/MEDICAL SCRUBS AND NONWOVENS**

At PULCRA, we are proud that our mission extends to protecting people, first responders and medical staff who face personal risk, long work shifts and stressed conditions in the fight against COVID-19 and other serious medical conditions. As a specialty chemical producer, PULCRA is in the business of understanding complex problems and co-creating safe, timely, and effective solutions. With the spread of the coronavirus, health care systems around the world are being stretched beyond capacity. We and our customers are faced with a new set of high-stakes challenges – challenges that require resourcefulness and innovation based on reliable science.

We are already contributing to the solution with specialized chemicals and textile auxiliaries that can be used in the manufacturing of textile articles for protection and hygiene. Furthermore, PULCRA chemists and technical consultants can provide a vital resource to our customers' ongoing innovation efforts.



PERSONAL PROTECTION EQUIPMENT - NONWOVENS

→ Surgical Gowns and Drapes



Alcohol and Blood Repellent

Stantex K 1693

Product Features:

- imparts an excellent alcohol and blood repellent effect
- based on C6 fluorocarbon chemistry
- Ionic nature: nonionic

Stantex K 1693 is compatible with cationic, anionic and nonionic fiber auxiliaries.

Stantex K 1693 can be used in combination with the antistat Katax SL 145.



Acohol and Blood Repellent

Stantex K 1693 :

→ Application for all Man Made fiber types:

As top coat by kiss rolls, padding units or spraying devices

Miscible with cold water at any ratio.

Finish level: 1 - 2 % Stantex K 1693, calculated on the weight of goods.

drying: 110 - 120 °C

curing: 2 - 3 minutes at 150 °C, for PP 120 – 130 °C



Wetting Agents for Medical Enduse

Stantex K 1327:

Product Features:

excellent fast wetting properties of the nonwoven
antistatic protection
FDA and EU 10/2011 compliant

Application:

Stantex K 1327 can be applied by aqueous emulsion
by kiss roll or spraying device.

Emulsion concentration: 2- 3 %
Add on level: 0.2- 0.5



Wetting Agents for Medical Enduse

Stantex K 6897:

Products Features:

excellent fast wetting properties of the nonwoven
antistatic protection
improves emulsion stability easy to formulate
low viscosity
FDA and EU 10/2011 compliant

Application:

Stantex K 6897 can be applied by aqueous emulsion by
kiss roll or spraying device.

Emulsion concentration: 2- 8 %

Add on level: 0.2- 0.5 %



Antistats for Medical Articles

Katax SL 145

Katax SL 145 is an additive that prevents electrostatic generation. It can be added to the spin finish emulsion or used in diluted form in a downstream process. It can be used in combination with Stantex K 1693.

Product Features:

- excellent electrostatic protection
- easy water soluble
- generates low levels of foam

Application:

Katax SL 145 can be applied solution by a kiss roll or spray system. The solution should be prepared by adding Katax SL 145 into water at room temperature whilst stirring. The usage of demineralized water is preferred and recommended.

Emulsion concentration. 5 - 10 %

Add on Level: 0.3 – 0.7%



PERSONAL PROTECTION EQUIPMENT - Textile



FACE MASKS



BODY PROTECTION

- PROTECTIVE COVERALL
- MEDICAL GOWNS
- LEG COVERINGS



**MEDICAL/SANITARY
APPARELS**

DURABLE WATER-, OIL-, BLOOD REPELLENT

Guide recipes, padding process:

→ 100% Cotton

60 - 100 g/l **REPELLAN® NC-6**
6 - 10 g/l **REPELLAN® XL-N**

pH-value: < 5.5
application: dry/wet
liquor pick-up: 70 %
drying: 110 °C
curing: 3 minutes at 150 °C

→ 100% Synthetics (PES/ PA/PAN/PP) normal title or microfibre

30 - 60 g/l **REPELLAN® NC-6**
0 - 6 g/l **REPELLAN® XL-N**

pH-value: < 5.5
application: dry/wet
liquor pick-up: 50 %
curing: 3 minutes at 150 °C

→ Polyester/Cotton (65/35)

40 – 80 g/l **REPELLAN® NC-6**
4 - 8 g/l **REPELLAN® XL-N**

pH-value: < 5.5
application: dry/wet
liquor pick-up: 65 %
drying: 110 °C
curing: 3 minutes at 150 °C



FLUOROCARBONS	COUNTRY
REPELLAN® RPC-6	TURKEY
REPELLAN® NC-6	GERMANY
REPELLAN® TC-6	GERMANY
REPELLAN® 5033	GERMANY
REPELLAN® EL-6N	GERMANY
REPELLAN® TEX CONC	USA
REPELLAN® NW-7	USA
REPELLAN® KTW	USA
REPELLAN® HP-6	USA
REPELLAN® CNC-6	USA
PULCRA® ASR	USA
PELLAN® FC 6 BR	BRAZIL
PELLAN® HP 6	BRAZIL
PELLAN® TR 6	BRAZIL
REPELLAN® 80	MEXICO
REPELLAN® KTP-I	INDONESIA
REPELLAN® ETP NEW	INDONESIA
REPELLAN® DURA	INDIA
REPELLAN® 670 C	CHINA

EXTENDERS	COUNTRY
REPELLAN® EXT	TURKEY
REPELLAN® XT	INDIA
REPELLAN® XL-N	USA, MEXICO, GERMANY INDONESIA CHINA
PELLAN® XT	BRAZIL
PELLAN® XL-E	BRAZIL

GARMENTS FOR SANITARY USE / TROUSERS

Guide recipes, padding process:

→ GARMENTS FOR SANITARY USE

CO-PES

Apparel fabric from 120 – 160 g/m²

60-80 g/l **REPELLAN® NC-6**
6- 8 g/l **REPELLAN® XL-N**

pH-value: < 5,5
application: dry/wet
liquor pick-up: 70 %
drying: 110 °C
curing: 3min/ 150 °C

→ TROUSERS FOR SANITARY USE

CO-PES

Sarge 200 – 240 g/m² with special finishing

60 – 80 g/l **REPELLAN® NC-6**
6- 8 g/l **REPELLAN® XL-N**

pH-value: <5,5
application: dry/wet
liquor pick-up: 65 %
drying: 110 °C
curing: 3min/150 °C

→100% PES-MICROFIBER

40 - 60 g/l **REPELLAN® NC-6**
4 - 6 g/l **REPELLAN® XL-N**

pH-value: <5,5
application: dry/wet
liquor pick-up: 50 %
drying: 110 °C
curing: 3min/150 °C



FLUOROCARBONS	COUNTRY
REPELLAN® RPC-6	TURKEY
REPELLAN® NC-6	GERMANY
REPELLAN® TC-6	GERMANY
REPELLAN® 5033	GERMANY
REPELLAN® EL-6N	GERMANY
REPELLAN® TEX CONC	USA
REPELLAN® NW-7	USA
REPELLAN® KTW	USA
REPELLAN® HP-6	USA
REPELLAN® CNC-6	USA
PULCRA® ASR	USA
PELLAN® FC 6 BR	BRAZIL
PELLAN® HP 6	BRAZIL
PELLAN® TR 6	BRAZIL
REPELLAN® 80	MEXICO
REPELLAN® KTP-I	INDONESIA
REPELLAN® ETP NEW	INDONESIA
REPELLAN® DURA	INDIA
REPELLAN® 670 C	CHINA

EXTENDERS	COUNTRY
REPELLAN® EXT	TURKEY
REPELLAN® XT	INDIA
REPELLAN® XL-N	USA, MEXICO, GERMANY INDONESIA CHINA
PELLAN® XT	BRAZIL
PELLAN® XL-E	BRAZIL

DISPOSABLE ARTICLES WITH FLUORINE FREE REPELLENT TREATMENT

Guide recipes, padding process:

→ 100% Cotton

150 - 200 g/l **PULCRA® TEC F1**

pH-value: < 5.5
application: dry/wet
liquor pick-up: 70 %
drying: 110 °C
curing: 3 minutes at 150 °C

→ Polyester/cotton (65/35)

100 – 150 g/l **PULCRA® TEC F1**

pH-value: < 5.5
application: dry/wet
liquor pick-up: 65 %
drying: 110 °C
curing: 3 minutes at 150 °C

→ 100% Polyester (normal title or microfibre)

80 - 120 g/l **PULCRA® TEC F1**

pH-value: < 5.5
application: dry/wet
liquor pick-up: 50 %
curing: 3 minutes at 150 °C



FLUORINE-FREE TECHNOLOGY	COUNTRY
PULCRA® TEC F1	EUROPE
PULCRA® TEC BR	BRAZIL
REPELLAN® FCO	TURKEY
REPELLAN® V05	ASIA/CHINA

MEDICAL ARTICLES/TROUSERS/SHIRTING

with antibacterial and repellent treatment

Guide recipes, padding process:

MEDICAL ARTICLES:

100% PES, woven fabric
140-150 g/m²

FC-6 and antibacterial treatment:

GUIDE RECIPE:

80 g/l **REPELLAN® NC-6:**
5 g/l **REPELLAN® XL-N:**
15 g/l **SILVADUR™ 930 FLEX**

pick Up : 70%
drying-curing: 150 °C
time: 2 min.



TROUSERS / SHIRTING (SCRUBS)

Polyester/Cotton (50/50), woven fabric

trousers: 190-210 g/m²
shirting (scrubs): 120-140 g/m²
FC-6 and antibacterial treatment:

GUIDE RECIPE:

100 g/l **REPELLAN® NC-6**
5 g/l **REPELLAN® XL-N**
15 g/l **SILVADUR™ 930 FLEX**

pick Up: 70%
drying-curing: 180 °C
time: 90 sec.

ANTIBACTERIAL	COUNTRY
SILVADUR™ 930 FLEX	ALL COUNTRIES
PULCRAQUAT TX	TURKEY

FLUOROCARBONS	COUNTRY
REPELLAN® RPC-6	TURKEY
REPELLAN® NC-6	GERMANY
REPELLAN® TC-6	GERMANY
REPELLAN® 5033	GERMANY
REPELLAN® EL-6N	GERMANY
REPELLAN® TEX CONC	USA
REPELLAN® NW-7	USA
REPELLAN® KTW	USA
REPELLAN® HP-6	USA
REPELLAN® CNC-6	USA
PULCRA® ASR	USA
PELLAN® FC 6 BR	BRAZIL
PELLAN® HP 6	BRAZIL
PELLAN® TR 6	BRAZIL
REPELLAN® 80	MEXICO
REPELLAN® KTP-I	INDONESIA
REPELLAN® ETP NEW	INDONESIA
REPELLAN® DURA	INDIA
REPELLAN® 670 C	CHINA

EXTENDERS	COUNTRY
REPELLAN® EXT	TURKEY
REPELLAN® XT	INDIA
REPELLAN® XL-N	USA, MEXICO, GERMANY, INDONESIA, CHINA
PELLAN® XT	BRAZIL
PELLAN® XL-E	BRAZIL

FACE MASKS

textile and medical face masks

Guide recipes, padding and exhaust process:

→ Outer Layer:

REPELLENT / ANTIBACTERIAL TREATMENT

60 - 100 g/l **REPELLAN® NC-6**
 6 - 10 g/l **REPELLAN® XL-N**
 15 g/l **SILVADUR™ 930 FLEX**

pH-value: 5.5
 application: dry/wet
 liquor pick-up: 70 %
 drying: 110 °C
 curing: 3 minutes at 150 °C



→ Inner Layer:

Without chemical treatment

→ Middle Layer:

ANTIBACTERIAL TREATMENT

SILVADUR™ 930 FLEX:
 1-5% owf in exhaust or 10-50 g/l in padding
 pH: 4.5 - 8.5 (pH: 5 is recommended)

Temperature:
 Padding: Room temperature
 Exhaust: 80-100 °C

Drying: 120 °C
 Curing: No need to use additional cross-linking agent

ANTIBACTERIAL	COUNTRY
SILVADUR™ 930 FLEX	ALL COUNTRIES
PULCRAQUAT TX	TURKEY

FLUOROCARBONS	COUNTRY
REPELLAN® RPC-6	TURKEY
REPELLAN® NC-6	GERMANY
REPELLAN® TC-6	GERMANY
REPELLAN® 5033	GERMANY
REPELLAN® EL-6N	GERMANY
REPELLAN® TEX CONC	USA
REPELLAN® NW-7	USA
REPELLAN® KTW	USA
REPELLAN® HP-6	USA
REPELLAN® CNC-6	USA
PULCRA® ASR	USA
PELLAN® FC 6 BR	BRAZIL
PELLAN® HP 6	BRAZIL
PELLAN® TR 6	BRAZIL
REPELLAN® 80	MEXICO
REPELLAN® KTP-I	INDONESIA
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REPELLAN® EXT	TURKEY
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PELLAN® XT	BRAZIL
PELLAN® XL-E	BRAZIL

STANDARDS AND SPECIFICATIONS

PROTECTIVE CLOTHING

DIN EN 14126:2004-01: Protective clothing - Performance requirements and tests methods for protective clothing against infective agents

DIN EN 14605:2009-08: Protective clothing against liquid chemicals - performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

DIN EN ISO 13688:2013-12 Protective clothing - General requirements (ISO 13688:2013)

DIN EN 13795-1:2019-06: Surgical clothing and drapes - Requirements and test methods – Part 1: Surgical drapes and gowns

DIN EN 13795-2:2019-06: Surgical clothing and drapes - Requirements and test methods – Part 2: Clean air suits

PROTECTIVE MASKS

DIN EN 149:2009-08: Respiratory protective devices – Filtering half masks to protect against particles - Requirements, testing, marking

DIN EN 14683:2019-10: Medical face masks - Requirements and test methods

STANDARDS AND SPECIFICATIONS VARY SIGNIFICANTLY FROM COUNTRY/REGION REGULATIONS AND END-USE REQUIREMENTS FOR THE RIGHT SELECTION OF THE NORMS, ADDITIONAL INFORMATION AND SUPPORT PLEASE CONTACT US.

TEXTILE TECHNOLOGY

STANDARDS AND SPECIFICATIONS

- **ASTM F2101-19** Standard Test Method for Evaluating the Bacterial Filtration Efficiency (BFE) of Medical Face Mask Materials, Using a Biological Aerosol of Staphylococcus aureus
- **ASTM F2100-19** Standard Specification for Performance of Materials Used in Medical Face Masks
- **ASTM F2407 - 06(2013)e1** Standard Specification for Surgical Gowns Intended for Use in Healthcare Facilities
- **ASTM F1671 / F1671M - 13** Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System
- **ASTM D6701-16** Standard Test Method for Determining Water Vapor Transmission Rates Through Nonwoven and Plastic Barriers
- **ASTM F1670/F1670M – 17a** Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood
- **ISO 22610:2006** Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment — Test method to determine the resistance to wet bacterial penetration
- **ISO 22609:2004** Clothing for protection against infectious agents — Medical face masks — Test method for resistance against penetration by synthetic blood (fixed volume, horizontally projected)
- **ISO/WD 20384** Medical gowns, surgical drapes and protective apparel — Performance requirements, performance levels and test methods
- **ISO 18184:2019** Textiles — Determination of antiviral activity of textile products. The textile products include woven and knitted fabrics, fibers, yarns, etc.
- **ISO 22610:2006** Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment — Test method to determine the resistance to wet bacterial penetration
- **AATCC42 / ISO 9073-17:2008** Water Resistance: Impact Penetration Test specifies a method for measuring the resistance of fabrics to the penetration of water by impact

TEST LABS

	 <p>DR. BRILL + DR. STEINMANN INSTITUT FÜR HYGIENE UND MIKROBIOLOGIE</p>	 	
<p>COUNTRY: Ireland</p> <p>Airmid Healthgroup Trinity Enterprise Campus Macken Street Dublin 2, Ireland</p> <p>Phone: +353 1 633 6820 https://www.airmidhealthgroup.com/</p>	<p>COUNTRY: GERMANY</p> <p>Dr. Brill + Partner GmbH Institut für Hygiene und Mikrobiologie Stiegstück 34 22339 Hamburg, Germany Phone: +49 40 557 631 -0 Email: info@brillhygiene.com https://www.brillhygiene.com/de/kontakt</p>	<p>COUNTRY: BELGIUM</p> <p>Technologiepark 70 9052 Gent-Zwijnaarde, Belgium</p> <p>Phone: +32 9 220 41 51 Email: gent@centexbel.be https://www.centexbel.be</p>	<p>COUNTRY: GERMANY</p> <p>Schlosssteige 1 74357 Bönningheim, Germany</p> <p>Phone: +49 7143 271-51 Email: customerservice@hohenstein.com https://www.hohenstein.de/de/</p>
		 <p>For Test Method JIS L 1922</p>	
<p>COUNTRY: USA ARMID HEALTHGROUP USA</p> <p>345 Park Avenue 17th Floor New York, NY 10151-0037, USA</p> <p>Phone: +1 646 291 8937 https://www.airmidhealthgroup.com/</p>	<p>COUNTRY: USA Bioscience Laboratories, INC.</p> <p>1765 S. 19th Ave. Bozeman, MT 59718</p> <p>Phone: + 1 406-587-5735 Email: experts@biosciencelabs.com https://biosciencelabs.com/</p>	<p>COUNTRY: USA The International Antimicrobial Council (AIC)</p> <p>Government Affairs Office: 1629 K Street, Suite 300, Washington, DC 20006 Technology Center: SVSU, Pioneer Hall 129 University Center, MI 48710 Email: director@amcouncil.org https://amcouncil.org/services/</p>	<p>COUNTRY: UK MSL Solution Providers</p> <p>Gollinrod Walmersley Bury Lancashire BL9 5NB (Royal Mail)</p> <p>Phone: +44 (0) 1706282960 https://www.msl.io/</p>

TEXTILE TECHNOLOGY

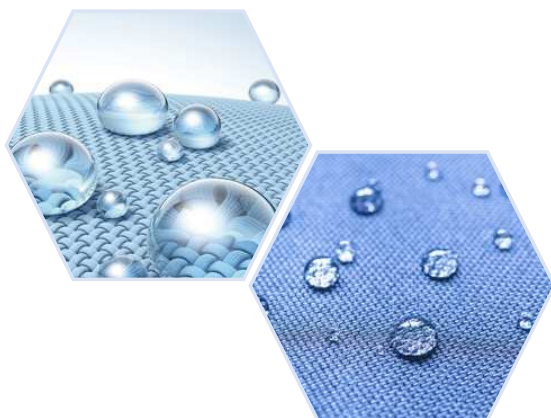


REPELLAN® PRODUCT RANGE

WATER AND OIL REPELLENTS

- **REPELLAN®** – types based on C-6 fluorocarbon-chemistry
- Water based emulsions, dilutable with water in any ratio
- Stain/ liquid repellent agents, with durability against laundering and dry-cleaning

Pulcra's Fluorocarbons **REPELLAN®** imparts an excellent water repellent effect and oil repellent properties. When used in masks they help to create a barrier effect to become highly hydrophobic. All fluorocarbons are based on C-6 chemistry and meet the highest standards and provide reliable protection for medical articles and protective clothes. Wash and dry cleaning resistance can be achieved in combination with a crosslinker.



REPELLAN® NC-6*

Nonionic Fluorocarbon, permanent water, oil and stain repellent finishing, specifically recommended for cotton and synthetic fibers

REPELLAN® TC-6

Cationic Fluorocarbon, permanent water, oil and stain repellent finishing, specifically recommended for cotton and synthetic fibers

REPELLAN® EL-6N

Cationic Fluorocarbon, can be used for the reimpregnation during laundering processes (native or man-made fibers)

REPELLAN® 5033

Cationic Fluorocarbon, permanent water, oil and stain repellent finishing with heat resistance up to 200°C, used on all types of textile fibers.

* Products bluesign® approved



REPELLAN® PRODUCT RANGE – WATER AND OIL REPELLENTS



USA:

PULCRA® ASR: Durable soil release and oil repellent finishing with excellent compatibility with most auxiliaries used in finishing.

REPELLAN® TEX CONC: Excellent water, oil, and stain repellent finishing for natural and synthetic fibers.

REPELLAN® NW-7: Durable water and oil repellent finishing for all types of fibers, can be used in medical end use applications and is compatible with binders.

REPELLAN® KTW: Durable stain repellent finishing for cellulosic, polyester, polyamide, wool and their blends. Exhibits wash durability to about 30 home washes.

REPELLAN® HP-6: Permanent water, oil and stain repellent finishing for natural fibers, polyester, polyamide and Kevlar.

REPELLAN® CNC-6: Durable water and oil repellent finishing for cotton, polyester and polyamide and their blends.

TURKEY:

REPELLAN® RPC-6: Excellent permanent water and oil repellent finishing agent. Especially recommended for synthetic fibers. Can be used also for cellulosic, wool and silk fibers.

BRAZIL:

PELLAN® FC6 BR: Water and oil repellent for synthetic and cotton fabrics, for conventional and dry washing cycles.

PELLAN® HP 6: Water and oil repellent for synthetic and cotton fabrics, for conventional and dry washing cycles.

PELLAN® TR 6: Water and oil repellent for synthetic and cotton fabrics, for conventional and dry washing cycles.

MEXICO:

REPELLAN® 80: Provides excellent water and oil repellent finishing for cellulosic, polyester, polyamide and wool based fibers and their blends.

INDONESIA:

REPELLAN® ETP NEW: Permanent stain repellent finishing for cellulosic, polyester, polyamide and wool based fibers and their blends.

REPELLAN® KTP-I: Permanent water, oil and stain repellent finishing.

CHINA:

REPELLAN® 670 C: Good water and excellent oil repellency for cellulosic, wool, silk, synthetic fibers and their blends with permanent water, oil and anti-fouling effect.

INDIA:

REPELLAN® DURA: High performance oil and water repellent finishing for cellulosic, wool, silk and synthetic fibers and their blends.

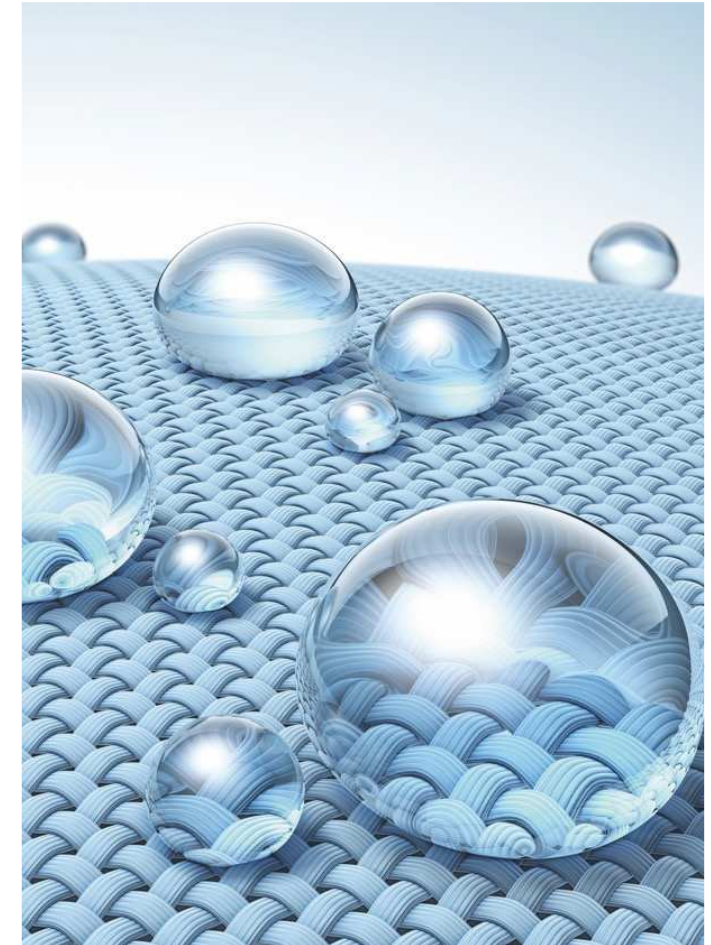
REPELLAN® PRODUCT RANGE

Due to the fact that the performance regarding blood repellency-, water repellency-, oil repellency-, chemical resistant-, water column-, liquid penetration-, air permeability etc. is mainly influenced by the fabrics/ materials itself , no recommendations can be given regarding any required specification, which have to be tested on the final article!

FURTHER REMARKS REGARDING DURABILITY AGAINST LAUNDERING/ DRY CLEANING

Depending on the fabric (material composition) and applied quantity of the stain repellent auxiliary (**REPELLAN®**) you will obtain very good initial effects and a high durability against laundering (60°C or 95°C) and dry cleaning! The durability will last for 15 to 20 launderings , on 100% synthetics durability up to 50 washes or more are realizable!

To keep high level of repellency on non-disposables protective fabrics although under high temperature/ alkaline laundering conditions, a reimpregnation process is highly recommended. Pulcra offered a special product also for this laundering application (exhaustion): **REPELLAN® EL-6N**



FLUORINE-FREE TECHNOLOGY

FLUORINE FREE HYDROPHOBIC technology.

Suitable for synthetics like polyester, polyamide as well as their blends with cellulose.

Can be also applied on natural fabrics like cotton with adjusted using amounts. The treatment should be done preferred by padding. Exhaust application is possible with adjusted parameters. A curing process up to 150°C is necessary to achieve wash durable effects. In focus is the application of clothing articles which is supported by the hydrophobic and also stain repellent effects.

PRODUCT FEATURES

- Free of fluorine, formaldehyde and melamine
- Excellent water repellent effects
- Free of PFOA (Perfluorooctanoic Acid)
- Good soil repellent effects, e.g. wine, Cola
- Good breathable results
- Very good durable effects after washing up to 60°C
- Low emission factors
- Brilliant extender solution in combination with FC resins

FLUORINE-FREE TECHNOLOGY	COUNTRY
PULCRA® TEC F1	EUROPE
PULCRA® TEC BR	BRAZIL
REPELLAN® FCO	TURKEY
REPELLAN® V05	ASIA/CHINA



TEXTILE TECHNOLOGY

ANTIMICROBIAL TREATMENT

SILVADUR™ - TECHNOLOGY

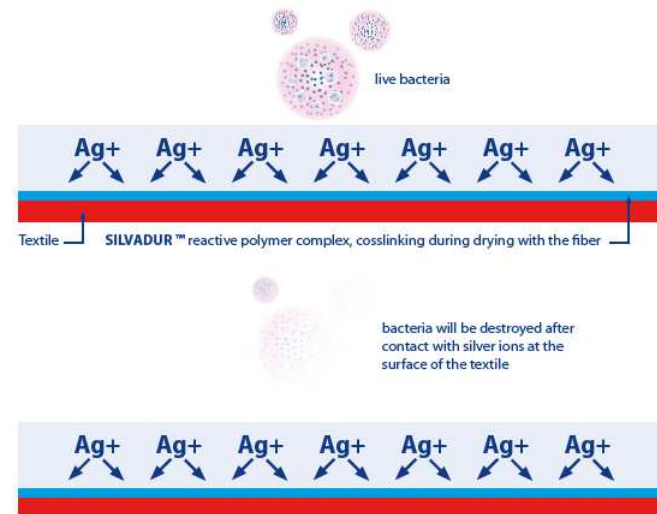
The SILVADUR™ antimicrobial advantage in textiles:

SILVADUR™ technology is an innovative antimicrobial treatment that improves on earlier technologies by using charged silver ions as opposed to silver particles. Silver ions evenly distribute over a garment. This means the silver is used more efficiently. SILVADUR™ technology has been shown to address several performance gaps that existing antimicrobial treatments simply cannot match.

BENEFITS:

- ✓ High active in performance, therefore short reaction and application time
- ✓ Excellent wash durability
- ✓ High level of reproducibility
- ✓ Degree of exhaustion nearly 99%
- ✓ Halogen free (no halogen in the wastewater)
- ✓ No colour change, can be used for neon dyestuffs
- ✓ No influence on the handle
- ✓ Compatible with FC resins
- ✓ Compatible with both natural and synthetic fibers

SILVADUR™ TECHNOLOGY

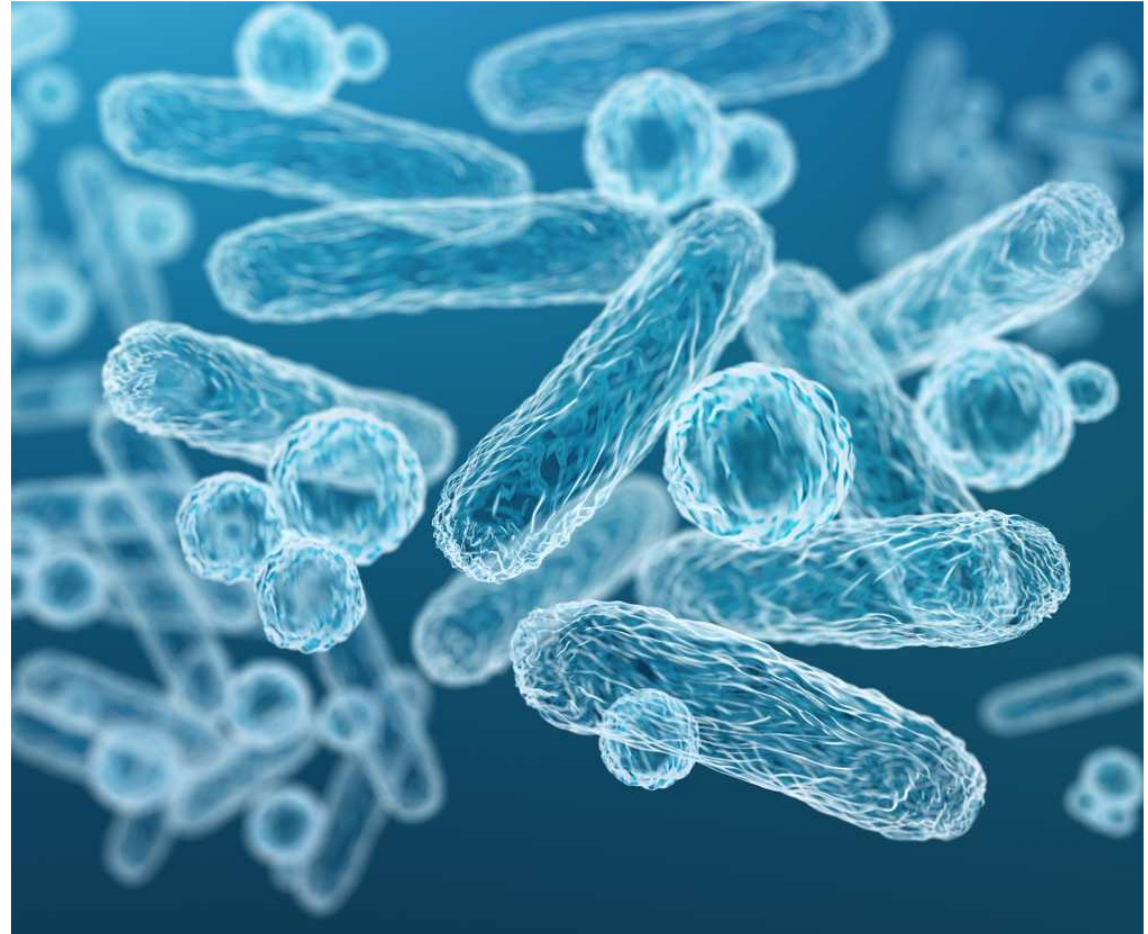


ANTIMICROBIAL TREATMENT

SILVADUR™ - CERTIFICATION

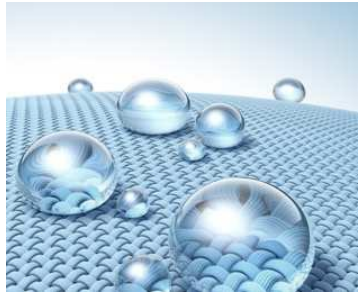
- SILVADUR™ is a bluesign® approved chemical product and a bluesign® System Partner.
- SILVADUR™ is recognized and listed as an Active Chemical Product (with biological activity) by the International Oeko-Tex® Association as a formulation that has been assessed to be harmless to human health, provided it is used as indicated and designated.
- SILVADUR™ is registered with the U.S. Environmental Protection Agency (No. 464-785) and the active ingredient is notified and supported under the EU Biocidal Products Regulation (BPR).
- SILVADUR™ technology is registered to meet REACH requirements in the European Union.
- SILVADUR™ does not contain any components listed by the State of California under the Prop 65 regulation, therefore, a warning label is not required on the package.

→ Please ask our experts for the registration status in your country



PRODUCT RANGE - OVERVIEW

FLUOROCARBONS



REPELLAN® NC-6*
REPELLAN® TC-6
REPELLAN® 5033
REPELLAN® EL-6N
REPELLAN® RPC-6
REPELLAN® TEX CONC
REPELLAN® NW-7
REPELLAN® KTW
REPELLAN® HP-6
REPELLAN® CNC-6
PULCRA® ASR
PELLAN® FC 6 BR
PELLAN® HP 6
PELLAN® TR 6
REPELLAN® 80
REPELLAN® KTP-I
REPELLAN® ETP NEW
REPELLAN® DURA
REPELLAN® 670 C

FLUORINE-FREE



PULCRA® TEC F1*
PULCRA® TEC BR
REPELLAN® FCO
REPELLAN® VO5

EXTENDER



REPELLAN® XL-N*
REPELLAN® EXT
PELLAN® XT
PELLAN® XL-E

ANTIMICROBIAL



SILVADUR™ 930 FLEX
PULCRAQUAT TX

*Products bluesign® approved

