

CUSTOMIZED  
SOLUTIONS

**Schill+Seilacher**  
**struktol®**



**TECHNICAL TEXTILES**

|                                                            |                  |
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## COMPETITIVE ADVANTAGES FOR THE TEXTILE INDUSTRY

The quality demands of technical textiles and composites are increasing and constantly changing. Along the textile value creation chain and the associated industries, a wide range of requirements must be considered individually and above all, with respect to increasing value.

At Schill+Seilacher, chemicals for refining textiles have a tradition dating back over 100 years. We offer sophisticated solutions and services for textile constructions based on cotton, jute, hemp, kenaf, wool, silk, viscose, polyester, polyamide, polyacrylic, polyolefines, carbon fibres and fibre glass.

Our customers benefit from our flame retardants, biocides, antistatic inhibitors, foaming agents and defoamers, wetting agents, water and oil repellent products not to mention our surfactants for technical applications and corrosion inhibitors.

Our fields of application are as versatile as our customer requests.

As a renowned partner of the global textile industry, we offer forward-looking, innovative solutions of superior quality.

In-time and competent as required.

# WORLD WIDE

**SCHILL+SEILACHER IS THE WORLD'S MARKET-LEADER  
IN MANUFACTURING AND DEVELOPING SPECIALITY  
CHEMICALS FOR PROCESS OPTIMIZATION.**

# 187



AS A GLOBAL PLAYER AND EXPERIENCED TECHNOLOGICAL PARTNER WITH A LONG ESTABLISHED TRADITION, WE ACCOMPANY OUR PARTNERS TO A SUSTAINABLE FUTURE. WE ARE PASSIONATE ABOUT CHEMISTRY AND THIS PASSION IS REFLECTED IN OUR PRODUCTS. OUR WORLD CLASS APPLICATION TECHNOLOGY LABORATORIES ENABLE US TO SIMULATE, ANALYSE AND PERFECT CUSTOMER-SPECIFIC REQUIREMENTS. WITH OUR FULL COMMITMENT AND INNOVATIVE SOLUTIONS, WE MAKE A SIGNIFICANT CONTRIBUTION TO GENERATING ADDED VALUE AND ENSURING ECONOMIC SUCCESS. WE ARE PROUD TO PROVIDE AN EXTENSIVE PORTFOLIO WHICH IS GLOBALLY PRESENT IN ALL AREAS OF LIFE. SCHILL+SEILACHER ALWAYS PROVIDES YOU WITH »GOOD CHEMISTRY«.

#### **Customized Solutions –**

##### **the perfect response to special requirements**

Our partners' expectations are always motivation and recognition for us. We are driven to reward the trust our customers have placed in us by investing in technologies of tomorrow and the qualification of our employees. Our main focus lies on innovating our research and development activities. Personal conviction and our customers' best interests lead us to act in a responsible manner to safeguard the future and our environment by saving water, energy and transportation costs. We do this for the sake of the environment and to respect the financial resources of our customers.

#### **Global leadership through healthy growth**

Our success story started in 1877, when Karl Schill and Christoph Seilacher in Heilbronn, Germany, created chemical additives in order to support a more effective leather processing. In 1943 the production was relocated to Böblingen near Stuttgart. As early as 1925, an additional production site for the manufacture of rubber additives opened in Hamburg. Adding to this, in 1979 the Struktol Company of America was founded in Ohio and in 1997 the Schill+Seilacher Chemie GmbH was established in Pirna, Germany. Since 2019, the Schill+Seilacher group is foundation-owned. With our development and production sites as well as to our worldwide distribution network, we are closer than ever to our customers.

For further information on sustainability, customized solutions, quality standards and other subjects please visit our website or contact us directly. We will be pleased to assist you!

**GREEN CHEMISTRY FOR  
A SUSTAINABLE FUTURE**

**ECOLOGICAL.  
ECONOMICAL.  
SOCIAL.**

**ENVIRONMENTAL SOLUTIONS PLAY A MAJOR ROLE AT  
SCHILL+SEILACHER. WE HAVE LONG RECOGNIZED THE  
IMPACT OF RENEWABLE RESOURCES AND ENERGY  
CONSERVATION IN ALL ASPECTS OF OUR BUSINESS.**



To us, sustainable action consists not only of environmental protection, but also the combination of economic, environmental and social responsibility. In our supply chains, we ensure compliance with social criteria and as the key to success, we provide industry leading trainee schemes and further in-service courses to our employees. Furthermore, we support the UN Global Compact, the global pact between companies and the United Nations, to help shape globalisation in a more social and environmental way.

## **ACTING WITH RESPONSIBILITY AND CERTIFICATIONS**

As the world's market-leader, our duty and passion is to create customized additives. Our own high demand for quality and our DIN EN ISO 9001-certified quality management system ensure the unique product performance of our additives. Respecting environmental protection e.g. through waste avoidance and reducing resources and energy, our production sites are certified according to DIN EN ISO 14001 as well as energy efficiency according to DIN EN ISO 50001. Furthermore, our portfolio includes FDA-compliant products conforming to the strict requirements of the American Food and Drug Administration (FDA). Recognised ISO and RSPO certifications are further credentials of our responsibility toward people, quality and the environment.

## PICTOGRAM LEGEND

|  |                              |  |                                                                          |
|--|------------------------------|--|--------------------------------------------------------------------------|
|  | Suitable for padding         |  | Flame retardant based on phosphorous substances                          |
|  | Suitable for coating         |  | Flame retardant based on nitrogenous substances                          |
|  | Suitable for spraying        |  | Flame retardant based on sulphurous substances                           |
|  | Suitable for scatter coating |  | Flame retardant based on antimony                                        |
|  | Suitable for hot melt        |  | Flame retardant based on halogenated substances                          |
|  | Suitable for extrusion       |  | Flame retardant based on boron                                           |
|  |                              |  | Flame retardant based on carbon                                          |
|  |                              |  | Flame retardant based on aluminium                                       |
|  |                              |  | Accepted chemical products OEKO-TEX® listed                              |
|  |                              |  | Product has a very low formaldehyde content below the limit of detection |

| FLACAVON | CO  | PES | PA | PAN | PP | WO | CO/PES |
|----------|-----|-----|----|-----|----|----|--------|
| ARP      | ✓   | ✓   | ✓  | ✓   | ✓  | ✓  | ✓      |
| AZ       |     | ✓   |    |     |    |    |        |
| FCE      |     | ✓   |    |     | ✓  |    |        |
| FD 8041  | ✓   |     |    |     |    | ✓  |        |
| HVT      | ✓   | ✓   |    |     |    |    | ✓      |
| R NEU    | ✓✓✓ | ✓   |    |     | ✓  | ✓  | ✓      |
| FC 2009  | ✓   |     |    |     |    | ✓  | ✓✓     |
| KSC      | ✓   |     |    |     |    | ✓  | ✓✓     |
| BST      | ✓   |     |    |     |    | ✓  | ✓      |
| B45      | ✓✓✓ | ✓   | ✓  | ✓   | ✓  | ✓  | ✓      |

✓  
Suitable for

✓✓  
suitable for blends with  
max. 20 % PES

✓✓✓  
certified for  
DIN 4102/B1

  
semi-permanent

  
permanent



## FLAME RETARDANTS HOME FURNISHING UPOLSTERY

### FR 1123/19



- Very effective FR agent
- Effects are durable to leaching according to BS 5651
- Soft fabric handle
- No hygroscopicity
- Low tendency to cause corrosion
- Free from softeners or plasticisers
- Contains no substance identified as an SVHC
- FR compound for BS 5852 IS 0 & 1
- Foamable
- Durable against multiple washes

### FR 1123/31



- Effects are durable to leaching according to BS 5651
- Soft fabric handle
- No hygroscopicity
- Low tendency to cause corrosion
- Free from softeners or plasticisers
- Contains no substance identified as an SVHC
- FR compound for BS 5852 IS 0 & 1
- Foamable
- Durable against multiple washes

### FR 4213/06



- Effects are durable to leaching according to BS 5651
- Soft fabric handle
- No hygroscopicity
- Low tendency to cause corrosion
- Free from softeners or plasticisers
- Contains no substance identified as an SVHC
- FR compound for BS 5852 IS 0 & 1 & 5
- Foamable
- Durable against multiple washes

## HOME FURNISHING UPHOLSTERY

### FLACAVON KSC



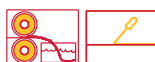
- Halogen free
- Special product for natural fibres e.g. cotton, wool and mixtures to a maximum of 20 % polyester
- Suitable for effects according to BS 5852
- Will be applied in combination with STABILISATOR DDA, tendency to yellowing
- Leaching durable

### FLACAVON BST



- Halogen free
- Special product for natural fibres e.g. cotton, wool and mixtures to a maximum of 20 % polyester
- Good flame retardant effects
- Thermal treatment for fixation
- Soaking resistant
- No influence on the handle
- Less tendency to yellowing

### FU 1202/18



- Halogen free
- Compound for flame retardant finishing of polyester and cotton/polyester
- Durable effects against leaching according to BS 5651
- Soft fabric handle
- No hygroscopicity
- Foamable
- No long term experience about odour and emission for indoor application

### FLACAVON FH 9004/123



- Very effective with all fibre types
- Good temperature stability
- Weathering durable, water insoluble
- Machine washable up to 60 °C with a suitable choice of binder
- Non hygroscopic
- Low tendency to cause corrosion
- Contains no substance identified as an SVHC
- Foamable
- Low emissions





## HOME FURNISHING DECORATION

### FLACAVON ARP



- Halogen free
- Universal applicable, non ionic
- Generally suited to all fibre types
- Thermally stable to 160 °C
- Not durable to weathering/washing

### FLACAVON AZ



- Halogen free
- Mainly suited for polyester finishing
- Durable effects against washing
- Application in a thermosol process with after scouring

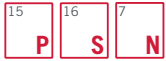
### FLACAVON HVT



- Halogen free
- Suitable for polyester, natural fibres e.g. cotton, jute and kenaf
- Not durable to weathering/washing
- Low corrosion tendency

## HOME FURNISHING DECORATION

### FLACAVON R NEU



- Suitable for cotton and wool
- Certified to DIN 4102 B1 for cellulosic fabrics, except jute
- Thermally stable to 110 °C
- Low tendency to crystallisation
- Not durable to weathering/washing

### FLACAVON B45



- Suitable for all fibre types
- Certificated to DIN 4102 B1 for cellulosic fabrics, except jute
- Thermally stable to 100 °C
- Little effect on fabric handle
- Not durable to leaching and washing

### FLACAVON FD 8041



- Halogen free
- Effective on cellulosic fibres
- Thermally stable to 150 °C
- Low corrosion tendency
- Minimal effect on handle
- Not durable to weathering/washing

# DECORATION





## HOME FURNISHING BLIND

### FLACAVON AZ



- Halogen free
- Mainly suited for polyester finishing
- Durable effects against washing
- Application in a thermosol process with after scouring

### FLACAVON FL1025/89 D



- Halogen free
- Suitable for cotton, polyester and glass fibre, technical non-wovens
- Applied in combination with a binder
- Low afterglow times
- Low tendency to cause corrosion
- Thermally stable
- Minimal effect on dyed shades

### FLACAVON FU 3110



- Halogen free
- Flame retardant compound
- Good effects on polyester
- Good adhesion
- Foamable
- Light stable
- Flexible handle
- Suitable for ink-jet printing

## AUTOMOTIVE SECTOR

### FLACAVON FCE



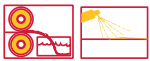
- Polymer flame retardant
- Suitable for polyester, polypropylene and mixtures with viscose
- Thermally stable to 180 °C
- Not durable to weathering/washing

### FLACAVON ARP



- Halogen free
- Universally applicable, non-ionic
- Generally suited to all fibre types
- Thermally stable to 160 °C
- Not durable to weathering/washing

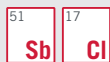
### FLACAVON HVT



- Halogen free
- Suitable for polyester, natural fibres e.g. cotton, jute and kenaf
- Not durable to weathering/washing
- Low corrosion tendency

## AUTOMOTIVE SECTOR

### FLACAVON M43/37



- FR agent for technical textiles out of cellulosic and synthetic fibre
- Applied in combination with a binder
- Thermally stable to 160 °C
- Leaching and dry cleaning durable

### FLACAVON FL1025/89 D



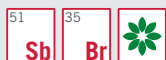
- Halogen free
- Suitable for cotton, polyester and glass fibre, technical non-wovens
- Applied in combination with a binder
- Low afterglow times
- Low tendency to cause corrosion
- Thermally stable
- Minimal effect on dyed shades

### FLACAVON H14/94



- Suitable for all fibre types
- Applied in combination with a binder
- Thermally stable to 180 °C
- Leaching and wash durable up to 60 °C with suitable choice of binder
- Minimal effect on dyed shades
- Low tendency to cause corrosion

### FLACAVON FH 9004/123



- Very effective with all fibre types
- Good temperature stability
- Weathering durable, water insoluble
- Machine washable up to 60 °C with suitable choice of binder
- Non hygroscopic
- Low tendency to cause corrosion
- Contains no substance identified as a SVHC
- Foamable
- Low emissions

## AUTOMOTIVE SECTOR

### FH 9004/145



- Very effective with all fibre types
- Good temperature stability
- Weathering durable, water insoluble
- Machine washable up to 60 °C with a suitable choice of binder
- Non hygroscopic
- Low tendency to cause corrosion
- Contains no substance identified as an SVHC
- Foamable
- Low emissions





## CONSTRUCTION

### FLACAVON FL1025/89 D



- Halogen free
- Suitable for cotton, polyester and glass fibre, technical non-wovens
- Applied in combination with a binder
- Low afterglow times
- Low tendency to cause corrosion
- Thermally stable
- Minimal effect on dyed shades

### FLACAVON H14/112



- Halogen free
- Good flame retardant effects
- Mainly polyester fabrics with low cellulosic content
- No after glowing
- Temperature stability up to 150 °C

### FM 5059/19



- Halogen free
- FR agent for polyester, polypropylene, polyamide and their blends
- Application with suitable polymer e.g. UKADAN 2170
- Soaking-resistant
- Formaldehyde free
- Dark grey
- Foamable
- Temperature stability up to 150 °C

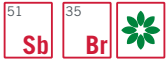
## CONSTRUCTION

### FLACAVON DPL



- Halogen free
- Melt adhesive based on ethyl vinyl acetate
- Suitable for Polyester, Polypropylene and Polyethylene
- Leaching and wash durable
- Low tendency to cause corrosion

### FLACAVON H14/94

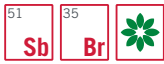


- Suitable for all fibre types
- Applied in combination with suitable choice of binder
- Thermally stable to 180 °C
- Leaching and wash durable up to 60 °C depending on polymer system
- Minimal effect on dyed shades
- Low tendency to cause corrosion

# CONSTRUCTION

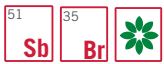
## CONSTRUCTION

### FLACAVON FH 9004/123



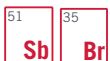
- Very effective with all fibre types
- Good temperature stability
- Weathering durable, water insoluble
- Machine washable up to 60 °C with suitable choice of binder
- Non hygroscopic
- Low tendency to cause corrosion
- Contains no substance identified as a SVHC
- Foamable
- Low emissions

### FH 9004/145



- Very effective with all fibre types
- Good temperature stability
- Weathering durable, water insoluble
- Machine washable up to 60 °C with a suitable choice of binder
- Non hygroscopic
- Low tendency to cause corrosion
- Contains no substance identified as an SVHC
- Foamable
- Low emissions

### FH 4212/27



- Universal flame retardant agent
- Durable against weathering with a suitable choice of binder
- UV-stable
- Water insoluble

## ADD ON AND SPECIAL

### FLACAVON 275



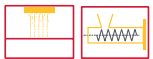
- Use for reducing afterglow times
- Application with suitable FR agent and polymer e.g. FLACAVON FH 9004/123 and UKADAN 650
- No negative influence on other effects

### FLACAVON ALH



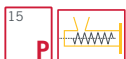
- Extender for flame-retardant finishing
- Applied in combination with a binder
- Reduces smoke development

### FLACAVON POLY 800



- FR agent for melt adhesive and polyurethane foil
- Soluble in organic solvents
- Suitable for plastics
- Thermal stable and durable

### FLACAVON POLY 900



- Phosphorus containing comonomer
- Polyester polycondensation process
- Reactive monomer for polymerisations



## ADD ON AND SPECIAL

### FLACAVON FK 6048/07



- Flame retardant plasticiser
- Suitable for all fibre types
- Applied in combination with a binder e.g. UKALIT G 42/149
- Thermally stable to 160 °C
- Minimal influence on hydrophobic effects

### FLACAVON H 14/94



- Suitable for all fibre types
- Applied in combination with a binder e.g. UKALIT G 42/149
- Thermally stable to 180 °C
- Leaching and wash durable up to 60 °C depending on polymer system
- Minimal effect on dyed shades
- Low tendency to cause corrosion

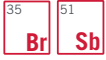
### FLACAVON F 42/156



- Suitable for all fibre types
- Water free - for use in solvent based systems
- Applied in combination with a binder, especially solvent based polyurethane systems
- Thermally stable to 180 °C
- Leaching and wash durable

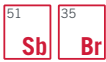


## FR 5225/01



- Compound for tentage fabrics
- Durable to weathering and leaching
- Low afterglow time can be achieved by adding FLACAVON 275
- Non hygroscopic
- Fungicide and rot proof effects
- Use only outside the EU

## FR 5225/02 INNER



- Compound for tentage fabrics
- Durable to weathering and leaching
- Low afterglow time can be achieved by adding FLACAVON 275
- Non hygroscopic
- Fungicide and rot proof effects
- Contains no substance identified as an SVHC
- Use only outside the EU

## EVORAL FLUORINE

### EVORAL OR-6

- C6 fluorocarbon resin
- Highly effective for oleophobic finishing
- Little or no influence on the handle

**Technical textiles**  
**Cellulosics**  
**Synthetic fibres**

### EVORAL SR-6

- C6 fluorocarbon resin
- Highly efficient for soil-repellent finishing

**Technical textiles**  
**Decorative textiles**

### EVORAL WR-6

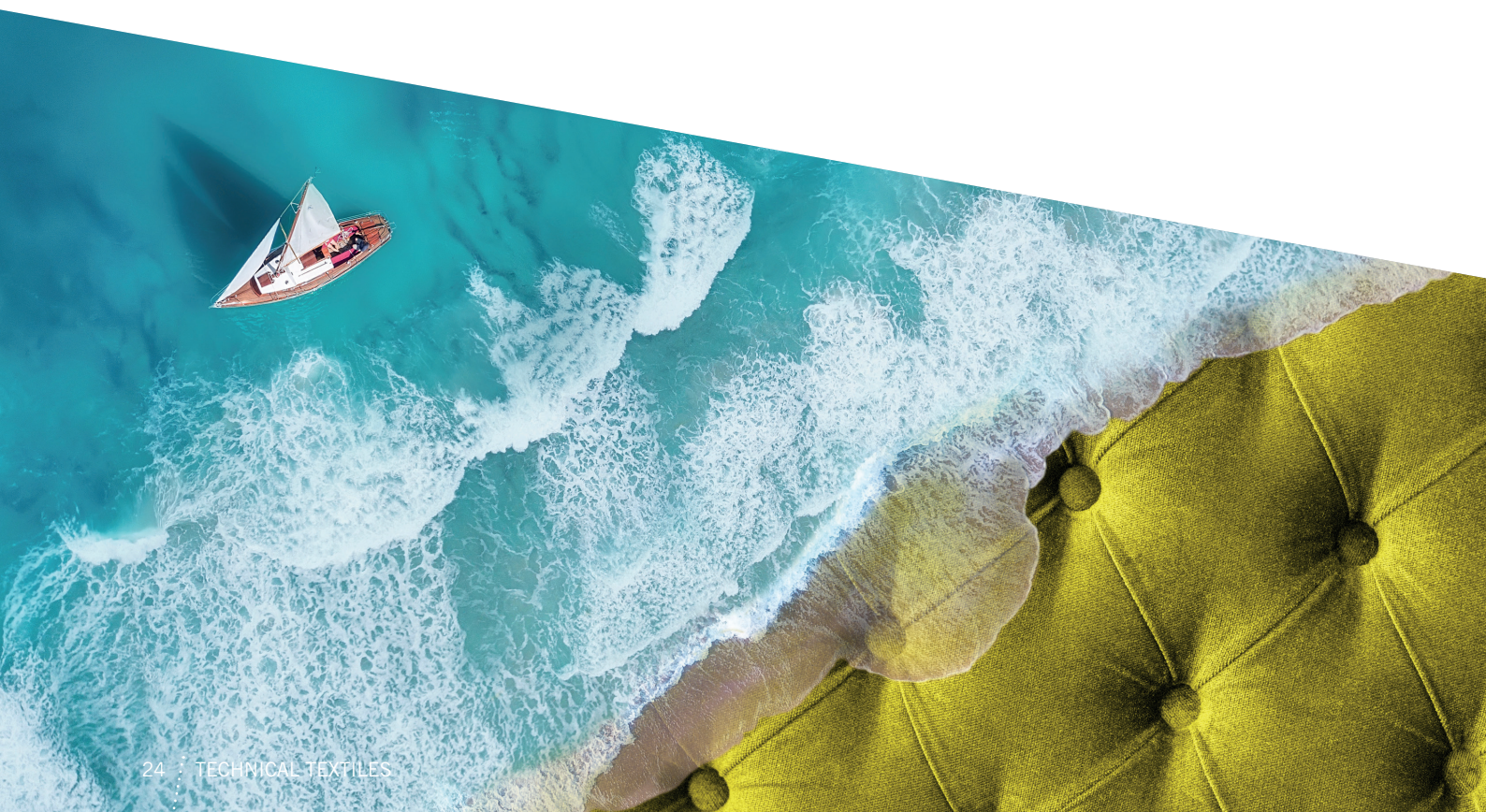
- C6 fluorocarbon resin
- Highly efficient for water-repellent finishing

**Technical textiles**  
**Tentage fabrics**

### EVORAL OA-N

- C6 fluorocarbon resin
- Suitable for all fibre types
- Repellency against alcohol

**Home textiles**  
**Automotive**





## EVORAL FLUORINE FREE

### EVORAL S

- Paraffin wax dispersion
- Suitable for hydrophobic finishing
- Suitable for all fibre types

**Non-wovens**  
**Glass wall covering**  
**Floor coverings**

### EVORAL FLT

- Paraffin wax dispersion
- Suitable for hydrophobic finishing
- Suitable for all fibre types

**Tentage fabrics**  
**Lining material**

### EVORAL PF

- Mixture based on aluminium, zinc and zirconium compounds
- Good water repellent properties
- Paraffin free

**Bitumnised fabrics**

### EVORAL A 150

- Paraffin wax dispersion
- Improves water resistance of glass wall coverings
- Improves the subsequent painting with emulsion paint

**Glass wall covering**

### EVORAL NFP

- Dispersion based on paraffin and polymer
- Very good water repellent effects on all fibre types
- Durable to washing
- No negative influence on the handle

**Technical textiles**  
**Decoration articles**



## AFROTIN

### AFROTIN ZNK

### AFROTIN ZNP



- Suitable for cotton and all mixtures with polyester, viscose and linen
- Very effective against earth bacteria and mildew
- Generally suitable for combination with polymers
- Durable to weathering and leaching in combination with suitable polymer dispersions
- No negative effect on water repellence
- Perfect fit for opaque and dark colors

**Tentage fabrics**  
**Belts**  
**Tapes**  
**Awning**  
**Protective workwear**  
**Mattress ticking**

### AFROTIN LC

- Wool, natural fibres such as cotton, hemp, jute, kenaf, linen in mixtures with polypropylene or polyester
- Wide spectrum of effectivity against gram-positive and gram-negative bacteria, yeast and all fungi
- Effective up to 230 °C
- Halogen free
- Heavy metal free
- Not durable to weathering/washing

**Automotive**  
**Insulation**  
**Cladding**  
**Moulded components**

### AFROTIN BF 5060

- Biocide for film preservation and maintenance of polymer properties
- Very effective against fungi
- Good weathering and light stability
- No influence on the waterproof
- Use only outside the EU

**Technical textiles**  
**Tentage fabrics**

## EVORAL/SILASTAN

### EVORAL AST

- Foam auxiliary and foam stabilizer
- No negative influence on hydrophobic effects
- Free from dispersing agents and emulsifiers

**Technical textiles**

### SILASTAN 1937 NEW

- Foaming agent
- Fine-pored and stable foam
- Good wetting properties
- Less influence on hydrophobic and oleophobic effects

**Technical textiles**  
**Automotive**

### SILASTAN WH

- Foaming auxiliary
- Used for aqueous binder and finishing baths
- Medium viscosity paste, anionic
- Stable up to 30° German water hardness

**Technical textiles**  
**Automotive**



# DEFOAMER

## DESPUMOL

### DESPUMOL PM

- Defoamer
- Silicone based, non-ionic
- Suitable for aqueous systems
- Used for scouring and rinsing liquids

Universally applicable

### DESPUMOL CWN

- Defoamer
- Mineral oil based, non-ionic
- Silicone free

Universally applicable



## UKANOL

### UKANOL 41 N

- Thickening agent
- Acrylate-copolymer, liquid
- Strong thickening effects
- Particularly useful for hydrophobic formulations
- Good electrolyte stability

**Technical textiles**

### UKANOL 519

- Thickening agent
- Cellulose derivative, non-ionic
- Water-soluble powder
- Good electrolyte stability
- Good stabilisation of pigment containing pastes

**Technical textiles**  
**Glass textiles**

### UKANOL 18

- Thickening agent
- Polymer, non-ionic, liquid
- Suitable for polymer dispersions
- Good wetting of pigments
- Good stabilisation of pigment and dyestuff liquors
- Little influence on hydrophobic properties

**Technical textiles**



## UKADAN

### UKADAN 650

- Self crosslinking acrylate, non-ionic
- Soft, transparent yellowish film
- Good pigment binding capability
- Good wash durability
- Stable to UV light

**Technical textiles**  
**Non marking handle**

### UKADAN 88

- Self crosslinking acrylate, anionic
- Medium-hard films, transparent to slight milky film
- Good pigment binding capability
- Good wash durability
- Stable to UV light
- Thermally stable up to 180 °C

**Technical textiles**  
**Tentage fabrics**  
**Glass textiles**  
**Automotive**

### UKADAN 2170

- Polyurethane dispersion, anionic
- Soft films, transparent
- Stable against hydrolysis
- Stable to UV light
- Good wash durable effects

**Home textiles**  
**Technical textiles**  
**Carpets**

### UKADAN 1698

- Acrylate disperion
- Soft and tacky film, transparent to slightly yellow
- High pigment binding capability

**Technical textiles**  
**Construction**

## UKADAN/UKALIT

### UKADAN 1100

- Solution of polyester resin
- Polymer for flame-retardant textile finishes
- Clear and hard film formation
- Good light stability

**Technical textiles**  
**Nonwovens**  
**Automotive**  
**PES fabrics**

### UKADAN VP 9106

- Anti-slip finishing
- Polymer dispersion
- Durable against fine washes
- Printing and coating methods
- Combinable with polymer dispersions

**Home textiles**  
**Technical textiles**  
**Carpets**

### UKADAN 2125

- Polyvinyl acetate dispersion
- Medium stiff to hard films, clear
- Good running properties
- Combination with other auxiliaries possible

**Technical textiles**  
**Glass fibre**

### UKALIT L17

- Self crosslinking polyvinyl acetate, non-ionic
- Terpolymer, non-ionic
- Good pigment binding capability
- Forms flexible films
- Stable to UV light
- No yellowing up to 160 °C

**Technical textiles**  
**Glass textiles**  
**Automotive**

### UKALIT G 42/149

- Polyvinylchloride-copolymer, non ionic
- Soft film forming, transparent
- Low flammability
- Especially useful in FR formulations and FR finishings
- Good pigment binding capability
- Good hydrolysis resistance

**Technical textiles**

## ANTISTATIC

### POLYFIX N-FC

- Phosphoric acid ester, anionic
- Good effects on all synthetic fibre types
- Stable to UV light
- Little effect on fabric handle
- Non durable finishing

#### Decoration fabrics

### SILASTOL 1789 K

- Antistatic additive
- Increases fibre/fibre cohesion
- Good wetting and spreading characteristics
- Non yellowing
- Combination with fibre lubricant
- Easily washed out

#### Fibre antistatica

### AP 8208/03

- Compound based on polymer with electrically conductive graphite
- Flexible handle
- Good substrate adhesion

#### Technical textiles



## PROCESS AUXILIARIES

### UKANOL OAC 200

- Odour absorber
- Water soluble
- Compatible with non-ionic and anionic
- Surfactant systems
- Readily biodegradable

**Universal use**  
**Technical textiles**

### UKANOL RUN

- Additive for use in finishing compounds to improve running properties
- Specially for products with pigments

**Technical textiles**





# LOCATIONS.

## BÖBLINGEN

GERMANY

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 50001:2011  
RSPO Certification Mass Balance

SPIN FINISHES FOR  
MAN-MADE FIBRES  
CHEMICALS FOR  
TECHNICAL TEXTILES  
LEATHER CHEMICALS  
PAPER CHEMICALS  
COSMETIC, HI&I,  
SPECIAL CHEMICALS

## HAMBURG

GERMANY

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 50001:2011

RUBBER ADDITIVES  
ANTIFOAMS  
REACTIVE POLYMERS  
& FLAME RETARDANTS  
LATEX ADDITIVES  
SILICONES  
RELEASE AGENTS

## PIRNA

GERMANY

DIN EN ISO 9001:2015

SILICONES  
PU INDUSTRY  
PAPER  
TEXTILES  
COSMETICS  
FIBRES  
LEATHER

## STOW

USA

DIN EN ISO 9001:2008

RUBBER ADDITIVES  
PLASTIC ADDITIVES  
PVC ADDITIVES  
ENGINEERED  
THERMOPLASTIC ADDITIVES  
WOOD PLASTIC  
COMPOSITE ADDITIVES  
LEATHER CHEMICALS

## VILLA RICA

USA

RUBBER ADDITIVES

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