

CUSTOMIZED  
SOLUTIONS

**Schill+Seilacher**  
**struktol®**



## PAPER CHEMICALS

PRODUCTS FOR THE PAPER MANUFACTURING AND SURFACE TREATMENT

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## THE ART OF PAPER MANUFACTURING AND REFINEMENT

THE USE OF PAPER ACCOMPANIES THE EVOLUTION OF MANKIND UNLIKE ANY OTHER CRAFT OR INVENTION THROUGHOUT THE MILLENNIUMS. EVEN IN THE AGE OF ELECTRONIC DATA TRANSFER, PAPER HAS REMAINED AN INDISPENSABLE MATERIAL FOR WRITING AND PRINTING; FOR PACKAGING AND HYGIENE.

Chemical additives from Schill+Seilacher help furnish the paper and cardboard - especially their surfaces - with the desired properties. For the purpose of refining the paper, tailor-made additives in combination with suitable application methods ensure the, among other things, water-repellent barriers in vegetable packaging, brilliance and smoothness in high-quality advertising brochures, and the absorbent surface of paper towels.

We support our customers in the development of applications and guarantee a fast, efficient availability of products and information.

# 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.

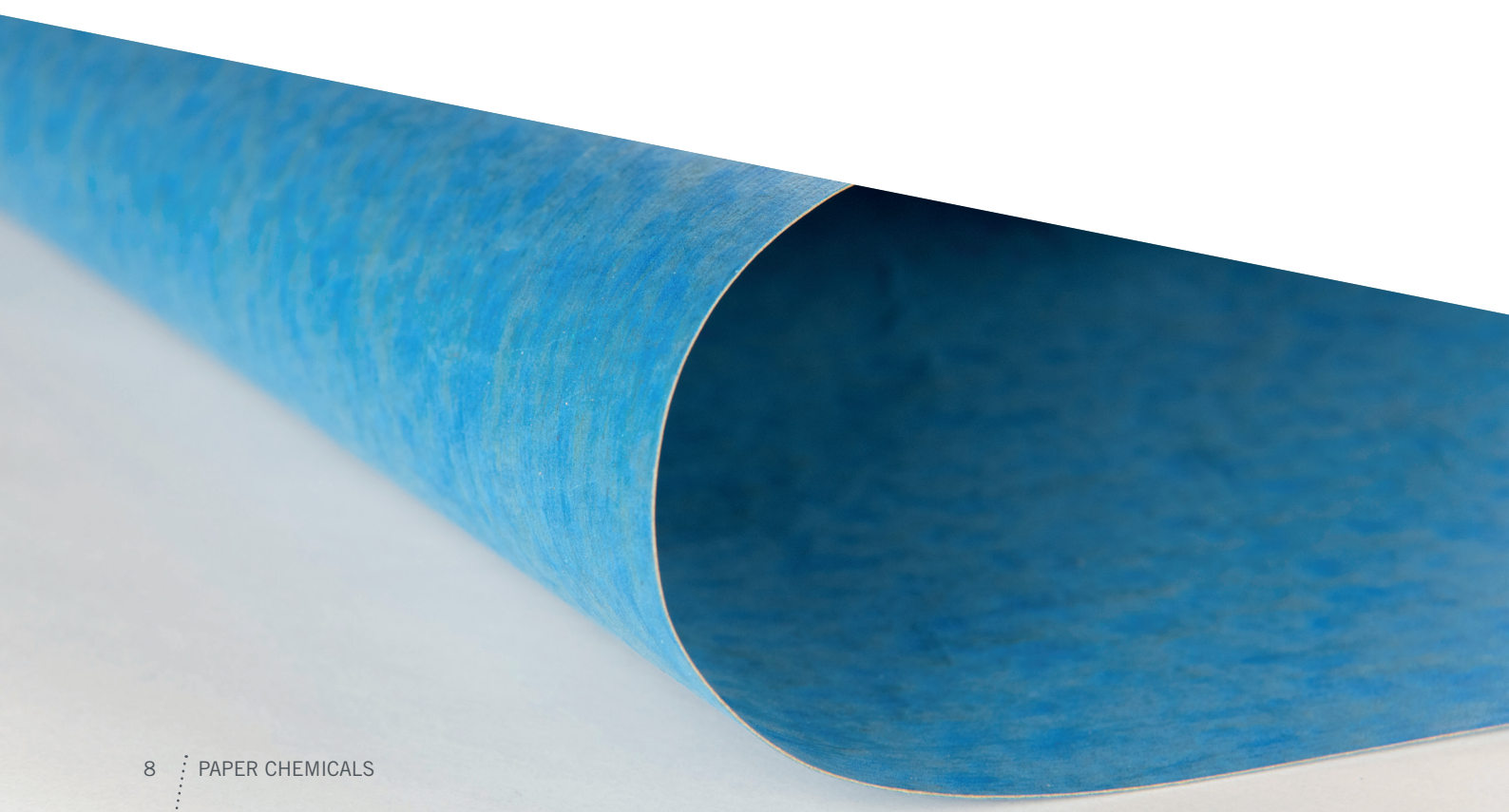
## UKAPHOB-SERIES

### UKAPHOB HR 530

- Extreme water repellent effect and water barrier
- Highly water dilutable
- Withstands conditions in corrugator
- Ammonia free formulation

### UKAPHOB 5100

- Very good barrier properties against oil/fat/grease
- Less slippery surface
- No characteristic smell when dried, therefore suitable for odour-sensitive goods e.g. chocolate, butter





## UKADUR-SERIES

### UKADUR MP 200

- Soft coating, coating protects the goods
- Water dilutable
- Mixable with a huge range of water based pigment inks
- Glueable with water based glues

### UKADUR HSB 3

- Very good heat sealability
- Suitable for highly compacted paper grades
- Good hydrophobicity and oleophobicity
- Good barrier against water vapor
- Suitable for direct food contact

### UKADUR 9533

- Extreme water repellent effect and water barrier
- Highly water dilutable
- Withstands conditions in corrugator
- Ammonia free formulation

## UKAPHOB 5200-SERIES

### UKAPHOB 5400

- Very good friction
- Nest water repellent effect
- Non-blocking, non-locking
- Highly heat resistant coating

### UKAPHOB 5410

- Very good friction
- Very good water repellent effect
- Highest heat resistance of all non-slip coatings
- Non-blocking



## UKAPRINT-SERIES

### UKAPRINT FP 510

- Excellent water repellent effect/water barrier
- Very good fat/grease barrier
- Water dilutable

### UKAPRINT FP 530

- Good water repellent effect
- Excellent water barrier
- Very good release effect against sticky goods
- Highly heat resistant e.g. for high-temperature drying in corrugators
- Non-blocking





## DESPUMOL-SERIES

### DESPUMOL 2072

- Highly efficient defoamer for coatings
- Wet end application

### DESPUMOL 2070

- Highly efficient defoamer for coatings

### DESPUMOL 2071

- Highly efficient defoamer for coatings and pigment coating colours
- For most difficult foaming problems

### DESPUMOL CWN

- Universal defoamer for wet-end, coating as well as
- Waste water treatment



**DEFOAMER**



## UKACROSS / UKASOL / EVOCOAT-SERIES

### UKACROSS 87 A 10005

- Increased resistance against wet rub-off stress
- No increase of pigment coating colour viscosity
- Water-free, formaldehyde-free formulation
- Chemical cross-linking

### UKACROSS ZC

- Formaldehyde-free formulation
- Physical cross-linking

### EVOCOAT 4610

- Natural binder rheology modifier
- Excellent water retention
- Non thermoplastic
- Formaldehyde scavenger



## UKADUR X-SERIES

### UKADUR X 403

- Economical, efficient flame retardant
- Low tendency to temperature indicated yellowing

### UKADUR X 404

- Efficient flame retardant agent
- Low tending to temperature indicated yellowing
- Good penetration into the base substrates

### UKADUR X 45

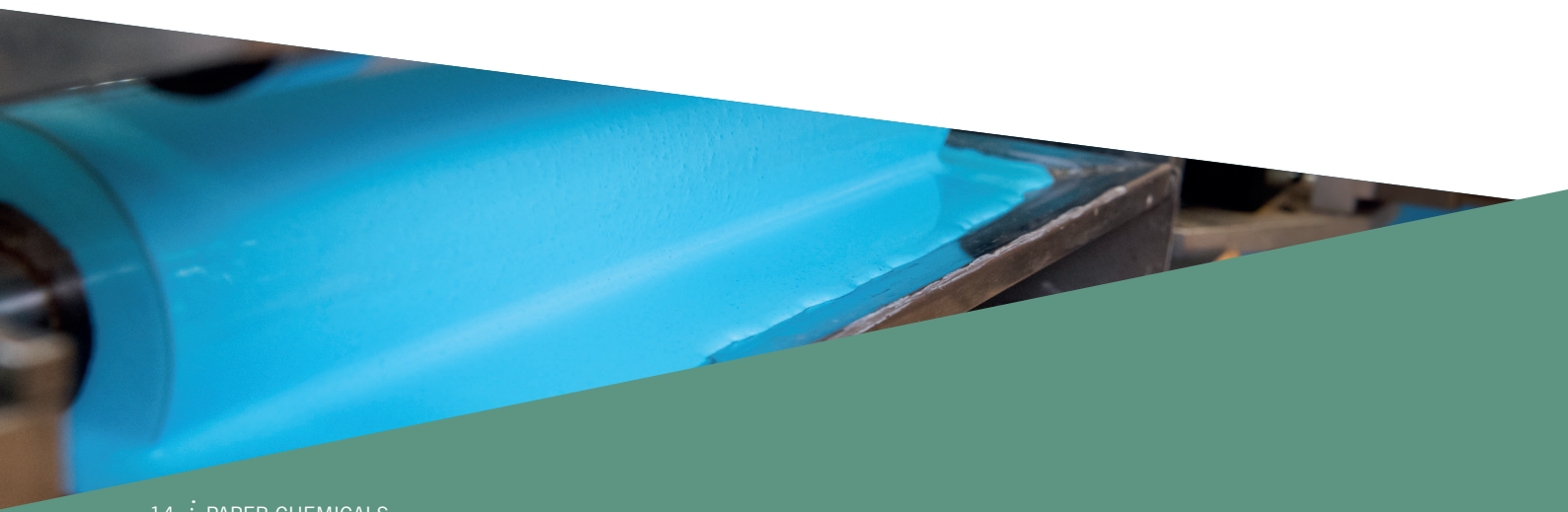
- Very efficient flame retardant
- Highly penetrative

### UKADUR X 50

- Very efficient flame retardant
- Highly penetrative
- Less corrosive
- Very low tendency to temperature indicated yellowing

### UKADUR X 501

- Economical, efficient flame retardant
- Less corrosive
- Very low tendency to temperature indicated yellowing



## UKADUR X-SERIES

### UKADUR X 20

- Low hygroscopicity of treated substrates
- Lowest tendency to temperature indicated yellowing

### UKADUR ATX 1

- Penetration aid for flame retardants
- For paper/carton grades of increased grammage
- For the use with sized substrates

### UKADUR XS 450

- For re-hydrophobing of substrates
- Can be used in combination with flame retardants

### UKADUR XS 451

- Combination with flame retardants
- Hydrophobic agent
- Overprintable



## UKAPHOB/POLYFIX SPECIALITIES

### UKAPHOB BC 100

- Efficient primer for various coating products
- Excellent hold-out properties
- Water dilutable
- Extreme shear-stable

### UKAPHOB BB 100

- Bacteriostatic coating
- Direct food contact
- Avoids bacteria growth on coated surfaces

### POLYFIX AT 1

- Conductive/dissipative coating
- For packaging of electronics
- To be used in combination with a primer





## EVORAL

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### EVORAL AST

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- Lubricant and glossy agent for pigment coating colours
- Improvement of water retention of pigment coating formulations
- Increase of volume of the coating

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### EVORAL E 172

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- Hydrophobic agent for surface application
- Anionic, good compatibility with starch, guar and other natural film formers



# LOCATIONS.

## BÖBLINGEN

GERMANY

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

SPIN FINISHED 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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