

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.**

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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 L 496

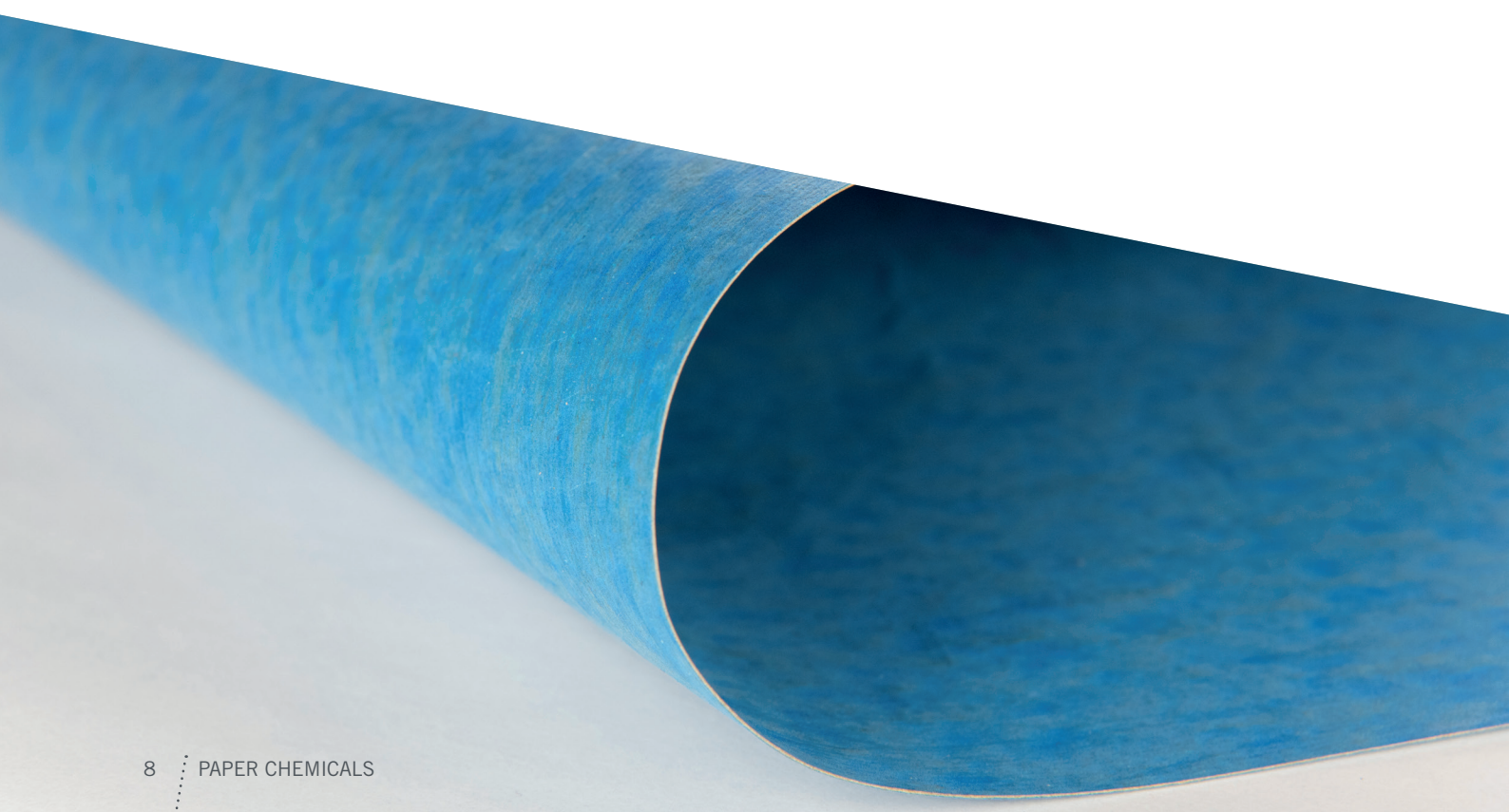
- Extreme good barrier properties against oil/fat/grease
- Highly water dilutable
- To greatest possible extent blocking free
- Withstands conditions in corrugator

UKAPHOB 5000

- Extreme good barrier properties against oil/fat/grease
- To greatest possible extent blocking free
- Extremely heat resistant in drying phase
- Increased viscosity, suitable for blade coating method

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 100

- Hard coating, coating protects the packaging
- Very good scratch resistance
- Relatively high gloss
- Highly temperature stable

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 HSW 99

- Very good heat sealability
- For technical applications

UKADUR 9533

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

UKAPHOB 5200-SERIES

UKAPHOB 5200

- Extreme friction/non-slip effect
- Extreme water repellent effect
- Extreme water barrier

UKAPHOB 5201

- Very good friction/non-slip effect
- Good water repellent effect
- Velvety feel, soft-touch effect
- Printable with flexographic printing method

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 100

- Good friction, non-slip effect
- Over-printable with water based inks
- Velvety feel, soft-touch effect
- Highly water dilutable

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 2052

- Defoamer/Deaerator for wet-end dosage and coating

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

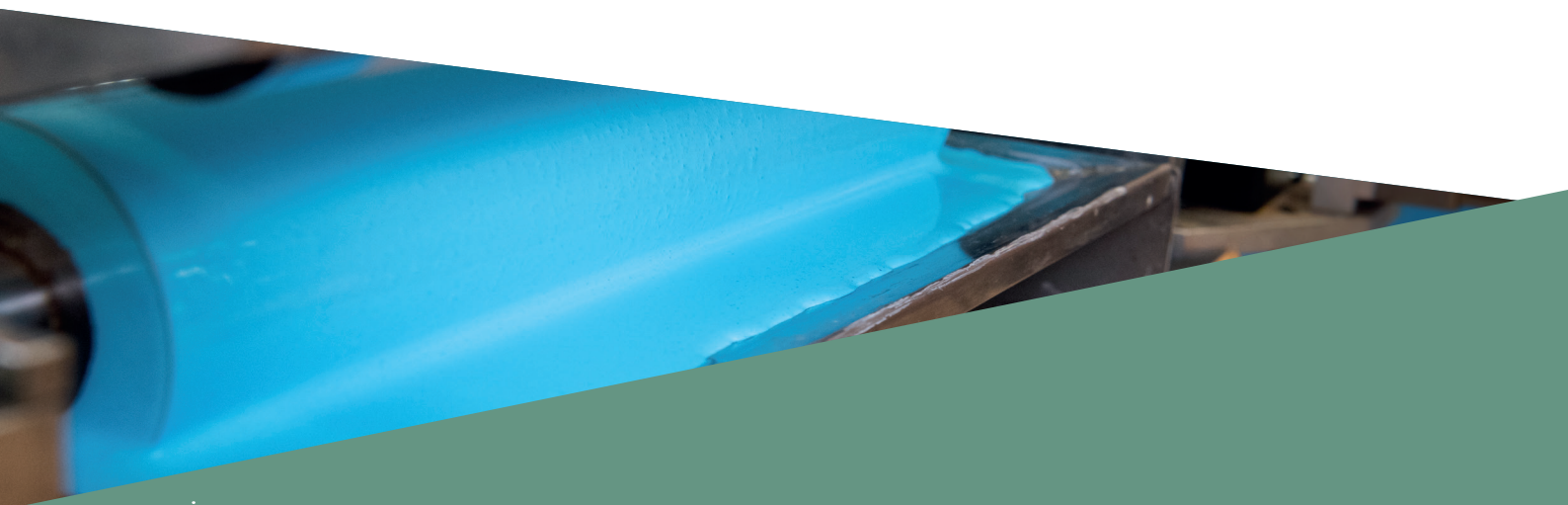
- Very efficient flame retardant
- Highly penetrative

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

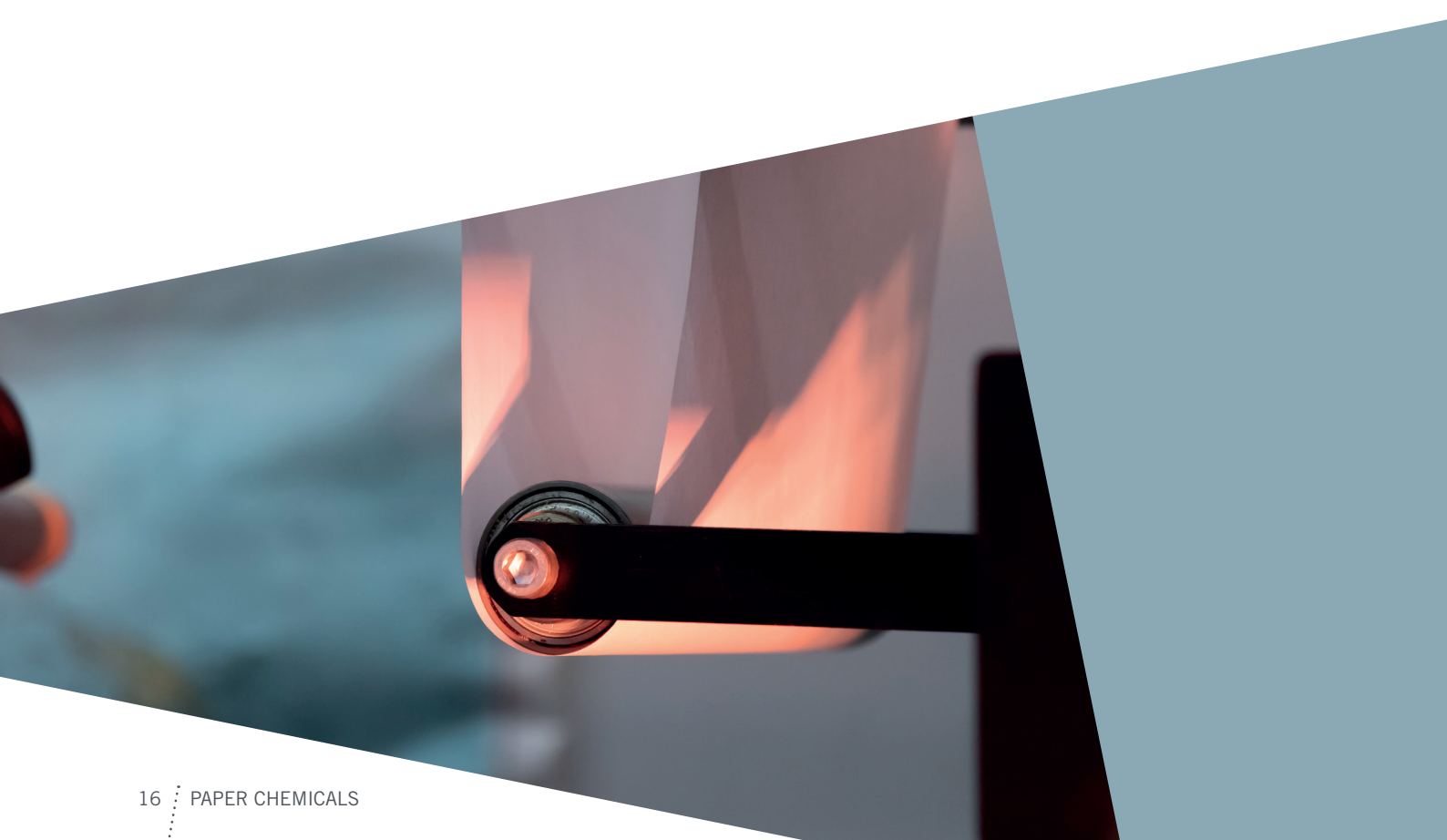
- Efficient primer for various coating products
- Excellent hold-out properties
- Water dilutable
- Extreme shear-stable

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

EVORAL AST

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

EVORAL E 172

- 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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