

AQULIX

AN EXTENSIVE PORTFOLIO OF
INDIVIDUAL RELEASE LINER SOLUTIONS



Felix Schoeller

RELEASE

WELCOME TO FELIX SCHOELLER RELEASE

For 120 years, the name Felix Schoeller has been synonymous with outstanding expertise in manufacturing papers with high dimensional stability. When it comes to release liners, we set industry standards in performance, reliability and quality. Our extensive experience in extrusion and silicone coating provides the foundation from which we produce high-performance release liners for adhesive products. Wherever you are, we are close by and look forward to working with you to discover how Felix Schoeller Release can help you grow your business.



DEDICATED SALES TEAM

Our sales team are not only good listeners, they also have a high level of technical competence and extensive experience, which they use to understand your exact release liner needs and offer you the best solutions to match.

SERVICE SOLUTIONS

From delivery right through to technical support, we offer a range of services designed to assist you at all stages of production.

GERMAN QUALITY

True to our German roots, at Felix Schoeller Group we believe in ticking the boxes down to even the smallest details, and performing meticulous quality control and testing across our entire production process.

ONE-STOP MANUFACTURING

From paper production to extrusion and silicone, Felix Schoeller Group have the flexibility and capability to create unique solutions across the entire value chain.

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Supported by our integrated value chain and the technical know-how of our speciality paper experts, we create tailor-made solutions to meet your exact needs.
”

AQULIX

YOUR INDIVIDUAL
RELEASE LINER SOLUTION

Felix Schoeller's leading release liner solutions all come under the brand name AQULIX. Choosing AQULIX solutions means you will never have to compromise with our extensive portfolio. That means everything you need is in one place. Partnering with Felix Schoeller is the key to making your product the best it can be.

AQULIX

Accuracy and quality are part of Felix Schoeller's DNA.

YOU WANT
HIGH PERFORMANCE?

YOU'LL GET
FIRST-CLASS QUALITY.

Benefit from consistent high-performance solutions with top-class layflat properties. All of this guaranteed by meticulous quality production through an integrated value-added chain.

YOU NEED
PRECISE SOLUTIONS?

YOU'LL GET
ACCURACY.

We draw on our extensive expertise to precisely meet and exceed your expectations. This is how we ensure you get the accuracy you need – time after time.

YOU ARE
LOOKING FOR
A RELIABLE PARTNER?

YOU'LL GET
FELIX SCHOELLER RELEASE.

With our individual support, you'll receive the best customised outcome. We see our role as to not only meet your needs, but to work closely with you as a trusted partner to help you achieve more of your goals.

RLB – Release Liner Base
PCK – Polycoated Kraft Paper
PCF – Polycoated Film

SPCK – Siliconised Polycoated Kraft Paper
SPCF – Siliconised Polycoated Film

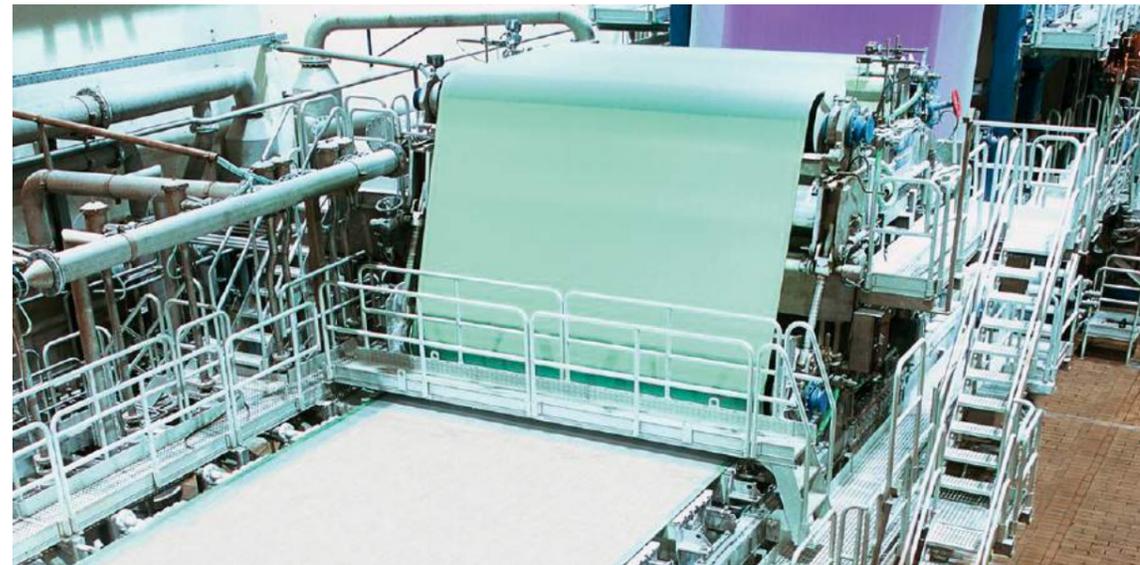
MLC – Multi Layer Constructions
FCP – Functional Coated Paper

AQULIX – UNIQUE MANUFACTURING CAPABILITIES

AQULIX encompasses all Felix Schoeller Release products. Our manufacturing capabilities ensure we can meet all your requirements for PCK release liners with or without silicone coatings. In fact, our products are as individual and diverse as the customers we serve. The AQULIX portfolio covers release liners for the graphic arts, industrial, tape and medical segments, and our solutions include dimensionally stable base papers, high-performance substrates and ready-made silicone-coated release liners. Our integrated production approach ensures we are uniquely positioned to partner closely with you at every step along the value chain.

THE INTEGRATED PRODUCTION APPROACH

The Felix Schoeller Release integrated approach comprises all the production steps necessary to design and manufacture polycoated kraft release liners. This means we can assist you at any point along the way. Should you like to find out more about our approach, you are welcome to explore our technical capabilities at any of our worldwide manufacturing operations.



1. BASE PAPER PRODUCTION

- 10 paper machines with a capacity of 400,000 tonnes
- Basis weights from 30 to 300 g/m² (18 to 185 lb/ream)
- Full colour range from bright white to dark colours
- High dimensional stability
- Excellent surface characteristics
- Superior cleanliness
- Excellent profile



2. EXTRUSION COATING

- 6 extrusion lines with a capacity in excess of 800 million m²
- Tandem extrusion
- In-line logo printing
- In-line functional coatings
- Up to 1.92 m/76"
- Wide range of polymers
- 100% in-line surface inspection

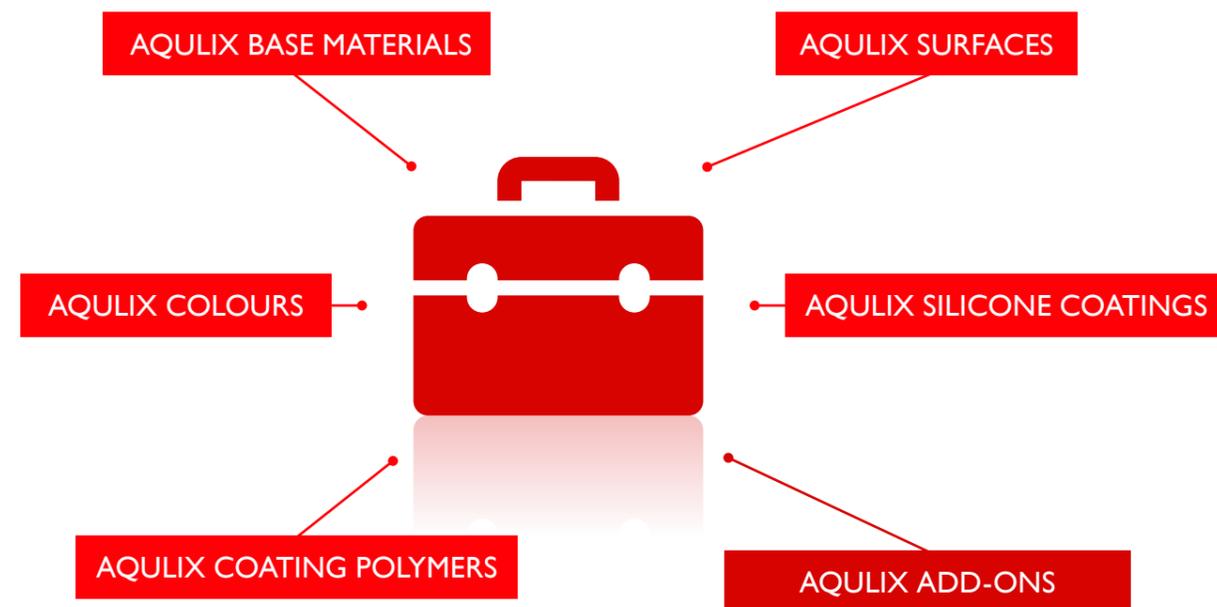


3. SILICONE COATING

- Coating in-line on extruder
- Solventless platinum system
- 1 and 2 side silicone coatings
- Full range of release values
- Up to 1.72 m/76"
- Large range of basis weights and polymers

OUR COMPREHENSIVE TOOLBOX APPROACH

You can customise your release liner solution by taking advantage of our toolbox approach. We make full use of our integrated production and extensive experience to flexibly combine well-established liner components. This way, we are able to create our AQLIX products that precisely match the requirements of the respective final application.



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Our release liners are as
diverse as your applications.
”

AQLIX BASE MATERIALS

You can choose from a range of base materials. Our paper portfolio covers numerous base weights that feature different product properties such as smoothness, stiffness, layflat or tear resistance. As well as fine paper grades with balanced surface smoothness and layflat performance, we offer special grades featuring super-smooth surfaces or particularly low hydroexpansivity and, as a result, improved dimensional stability. PET films can be used as base material, which results in extremely good layflat properties. We can use special material like aluminium foil as part of a multi-layer construction and ensure improved barrier properties.

AQLIX COLOURS

When it comes to colour paper production, we offer a number of options. For your project we can also use either an extrusion polymer containing colour pigments or solid-colour printing.

AQLIX COATING POLYMERS

Choose from a variety of different coating polymers including:

- Polyethylene with low and high density (LD-PE and HD-PE)
- Polypropylene (PP)
- Special polymers with high temperature resistance (HTRPo)
- Ethylene vinyl acetate (EVA)
- Blends of the polymers above

Polymer choice is important to liner properties like temperature resistance, release force or hot-seal- and die-cuttability.

AQLIX SURFACE

When choosing a chill roll design, we can modify the release liner's smoothness and surface structure to suit your needs, whether gloss, matt, semi matt or rough matt. We can also customise product properties like roughness and low friction, easy sheet feeding and controlled release values.

AQLIX SILICONE COATINGS

For silicone coating we use a solvent-free platinum system to provide a full range of release values from easy to tight release. Differential release for both front and back sides is also available.

AQLIX ADD-ONS

- Logo printing on back
- Functional coatings such as an ink-receiving layer for printability
- Back-coat friction control
- Perforated back to avoid blistering in subsequent processing steps
- Sealed edges to prevent moisture absorption and wavy edges

HIGH-PERFORMANCE RELEASE LINER SOLUTIONS



GRAPHIC ARTS

A full range of reliable AQUALIX solutions able to meet your graphic art needs, from large formats for advertising and promotion purposes to self-adhesive vinyl for vehicle wrapping.

YOU BENEFIT FROM:

1. Exceptional surface smoothness
2. Best-in-class layflat performance and dimensional stability
3. Excellent stiffness properties
4. Outstanding low level of silicone extractables



TAPE

High-performance AQUALIX solutions for pressure-sensitive adhesive films and tape applications designed to ensure optimal reliability and ease of use.

YOU BENEFIT FROM:

1. The highest product purity (photo cleanliness)
2. Perfectly balanced surface smoothness
3. Constant release differential



INDUSTRIAL

AQULIX process liners for reflective products such as textiles and traffic control, artificial leather and breathable membranes or electronic applications.

YOU BENEFIT FROM:

1. Stable release level
2. Unique surface
3. Exclusive polymer coating



MEDICAL

Siliconised polycoated AQULIX release papers and clinical process liners for the most demanding medical applications in the healthcare industry.

YOU BENEFIT FROM:

1. Exceptional surface smoothness
2. Outstanding quality and hygiene standards
3. Best-in-class layflat performance and dimensional stability
4. Full range of release requirements

WE LOOK FORWARD TO MEETING YOU



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