

S-RACE®

NEXT GENERATION DYE SUB PAPER



FEATURING GROUNDBREAKING
AND ADVANCED TECHNOLOGY

– MADE TO IMPRESS



Felix Schoeller

S-RACE®



MADE TO IMPRESS

 FAST EFFICIENT PRECISE CONSISTENT

S-RACE® – TAKING DYE SUBLIMATION PAPER INTO THE FUTURE

Digital dye sublimation printing is not only growing rapidly, but this efficient production technology has become almost indispensable for many industries. Especially in textiles, makers of fashion and sportswear are looking for increased speed and improved quality to meet the

challenging demands of digitally printed garments.

S-RACE® dye sublimation paper is impressively fast, efficient and precise in every detail. It is the ultimate choice for printing houses of any size that consistently want to deliver

outstanding quality. S-RACE®, with its future-proof technology, will help printers to impress their clients with amazing results, enabling stable production and consistent quality.

Therefore we promise:
S-RACE® – made to impress.



PRECISE

Get impressive results with extremely sharp lines and a wider colour gamut.



FAST

Speed up with quickest drying of print and faster ink release.



EFFICIENT

Improve your workflow with full printing speed and immediate high ink absorption as well as enhanced calendering speed.



CONSISTENT

Enjoy stable product quality and continuously good results.

A HUGE TECHNOLOGICAL LEAP FORWARD

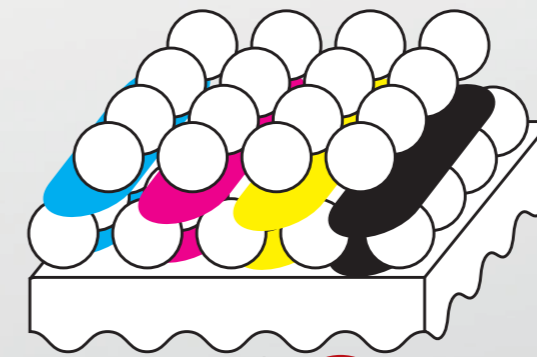
S-RACE® is in a league of its own due to the groundbreaking high-tech coating. The thick coating has a microporous structure and – together with the specially engineered base paper – functions as the perfect receiver of printed ink. This unique composition, with a high air permeability, provides the paper with the ability to absorb and store

the ink, like a sponge, very quickly and precisely. The ink is then released exactly in the position it has been printed – for perfect line sharpness and detailed reproduction.

Conventional dye sublimation papers have a swellable coating technology. Swellable coatings are thinner with reduced air permeability. The ink lies

on top of the paper and makes the coating swell, resulting in stronger bleeding and significantly slower drying.

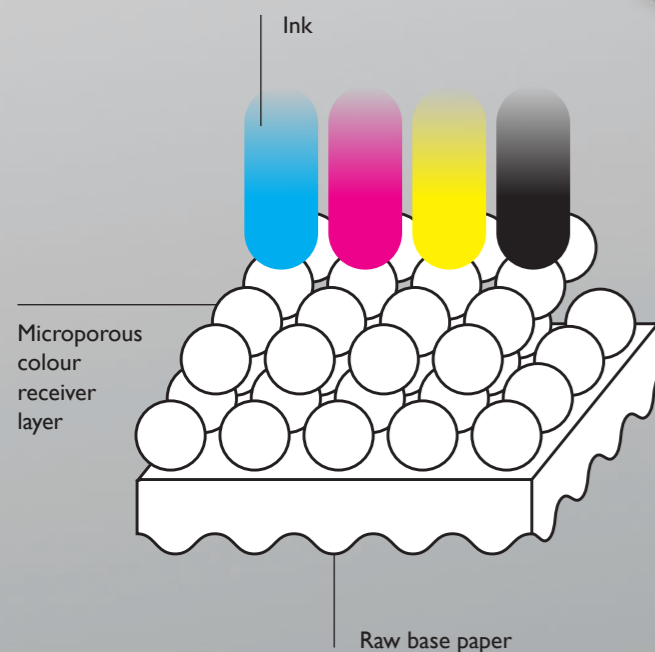
In comparison, with S-RACE® and its extremely fast drying properties, subsequent production steps can be immediately started – for efficient processes and higher productivity.



2

Ink absorption

The microporous colour receiver layer quickly absorbs huge amounts of ink. This results in quickest drying of print enabling the user to start subsequent production steps immediately and reach high optical densities.



1

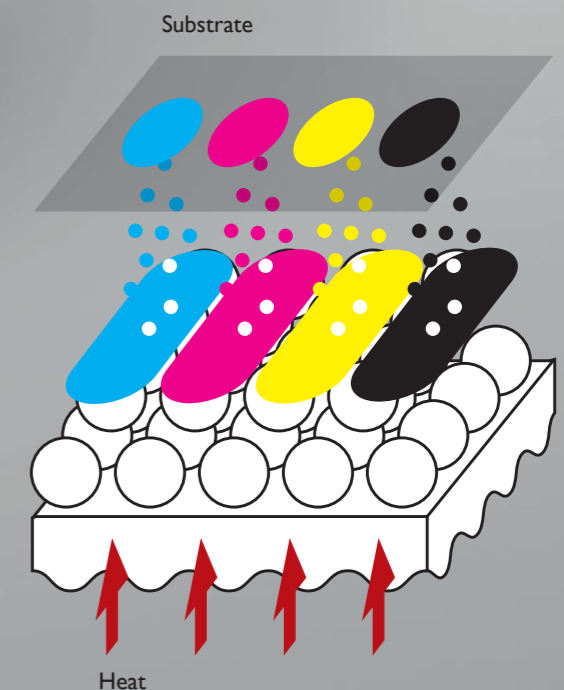
Printing

Print on the S-RACE® microporous colour receiver layer with every standard water-based dye sublimation ink.

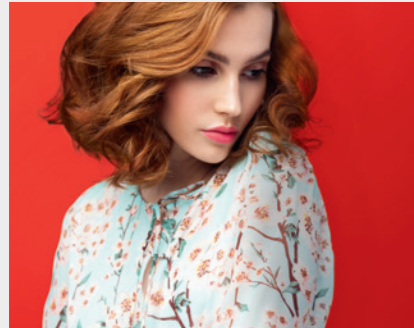
3

Ink release

During the transfer process, the stored ink in the S-RACE® coating is activated earlier by the applied heat compared to swellable coatings. This results in quicker transfer times. The ink is then released exactly in the position it has been printed – for perfect line sharpness and detailed reproduction.



TEXTILE APPLICATIONS



Fashion

For high-speed and large-volume printing applications and transfer on all kinds of polyester textiles and fabrics for blouses, dresses, skirts, shorts, shirts, etc.



Home decor

For high-speed and large-volume printing applications and transfer on all kinds of polyester textiles and fabrics for upholstery, decorative cushions, curtains, bed linen, tablecloths etc.



Sports apparel

For high-speed and large-volume printing applications and transfer on all kinds of polyester textiles and fabrics for sports shirts, shorts, etc.

FOR YOUR EXACT NEED AND APPLICATION

We offer a wide variety of S-RACE® papers to meet your exact wishes. Our papers provide consistent results of the highest quality, living up to all different requirements, no matter the volumes or applications involved.

Whatever your needs, used substrates and applications may be, we are able to deliver dedicated products, in a wide range of standard specifications.

And we constantly strive to meet the demands of new applications and developing printing technologies.

So, no matter what you are looking for, we have a solution in our portfolio and will be happy to give advice and support to find the best-fitting one.



Sportswear elastic textiles

No ghosting effect, because paper sticks to the fabric during transfer. For swimwear, cycling shorts and shirts, running outfits, etc.



Soft signage

For large-format applications and transfer on polyester textiles for banners, flags, displays, exhibition backdrops, etc.

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INFO

S-RACE® is suitable for a large range of applications and available in a wide range of different sizes and weights/specifications. An overview of the product portfolio is available as an insert in this brochure.

S-RACE® features a unique and groundbreaking technology and comes with premium support. Worldwide.

HARD SUBSTRATE APPLICATIONS



Merchandise

Transfer on all kinds of polyester-coated hard and soft substrates. For mugs, coasters, key rings, ceramic tiles, mobile phone covers, pillows, ready-to-wear garments, etc.

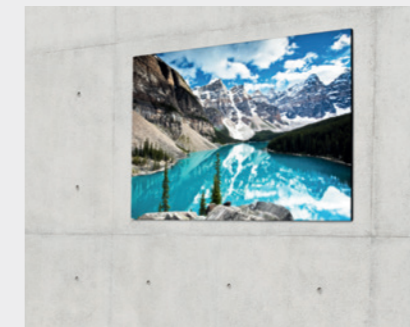


Photo panels

Transfer on all kinds of polyester-coated rigid materials. Very broad colour gamut and deep non-cloudy blacks possible (e.g. ChromaLuxe® applications).



Interior & Architecture

Transfer on all kinds of polyester-coated hard and soft substrates. For interior design panels, gallery art, architecture design panels, tabletops, furniture, etc.

MAXIMISE YOUR PRODUCTION OUTPUT

Process service for dye sublimation transfer printing

Your production process has to run smoothly with trouble-free dye sublimation paper and we are aware of that. We also know that dye sublimation transfer printing isn't just a simple task, but a complex process with a host of parameters – an important one being the paper. To obtain the best results, the many parameters need to be optimally coordinated. Generic ICC printing profiles and poor workflows do not create the impressive results that actually can be obtained – when using the right dye sublimation paper: S-RACE®.

Let us help to create more efficient workflows and impressive results

Our S-RACE® Team is ready to help you achieve this. We see not only the paper but the whole picture with all parameters involved. Our experts will advise you on how to optimise your processes and to prepare

customised printing profiles. We take into account your own particular requirements and process preferences to obtain this. From the paper, printer and ink that you use, through the calendering and transfer press settings, to the final substrate and application.

We come to your print shop

Our Application Technology Managers are ready; just call! If you need them, they'll meet you at your print shop. Our service guarantees that you gain maximum benefit from the many advantages that our S-RACE® papers offer – making it possible to boost your production capacity and push your results to the max.

BASIC

PROCESS OPTIMISATION

We help you to maximise your production output by assessing your own particular requirements and process parameters – from paper to the final substrate and application.



Remote service

- If sufficient: simple support by means of remote maintenance



On-site service

- Professional advice and help on your premises
- Technical realisation on-site



ADVANCED

ICC PROFILE PREPARATION

Drawing up and controlling of customised non-generic printing profiles based on your individual process parameters and workflow – for best results.



On-site service

- Professional advice and help on your premises
- Technical realisation on-site

FAMILY-OWNED COMPANY AND GLOBAL PLAYER.

HEADQUARTERS MANUFACTURING SITES REPRESENTATIVE OFFICES



 **Felix Schoeller Group**
Best Performing Papers. Worldwide.

Founded in 1895, the Felix Schoeller Group is a family business with worldwide operations, and has through the years delivered constantly high customer value through cutting-edge products and know-how.

For S-RACE®, we combine our comprehensive knowledge and thorough coating know-how on complex colour receiver layers with the high-quality demands on paper of the photographic industry with the most sophisticated machines and technologies.

The Felix Schoeller Group develops, produces and markets speciality papers for photographic applications, digital printing systems, the packaging market, self-adhesive applications and the furniture, wood-based products and wallpaper industries.

Best Performing Papers. Worldwide.

Our philosophy is reflected in every one of our products. It is a promise to our customers and at the same time an inward self-commitment and incentive, together with a way of

identifying ourselves. Our customers can rely on the fact that, for every product for which the Felix Schoeller Group is responsible, our philosophy has been made a reality from the first to the last stage of development.

'Best Performing Papers. Worldwide.' means for us that we offer our customers in all our areas of business the best-possible papers for their maximum design freedom and sustainable business success.

 **华邦古楼新材料有限公司**
Winbon Schoeller New Materials Co., Ltd

Engineered in Germany. Manufactured in China.
Felix Schoeller is ready to solve any production challenge with S-RACE® dye sublimation paper, and this is made possible by German engineering and the high-quality standards now applied throughout our manufacturing facilities in China.

The market in Asia has become a key driver for dye sublimation with fashion as the leading segment. Locally based production is the answer to be at the heart of the

market, when it comes to customer requirements and supply.
Through the Winbon Schoeller New Materials joint venture in China, Felix Schoeller now offers S-RACE® locally, engineered in Germany and manufactured in China.

The 50-50 joint venture was established in 2017 with the speciality paper manufacturer and pulp trading company Welbon Group. Choosing Winbon Schoeller New Materials as your partner means that you will

benefit from the highest German standards of quality throughout local production and supply.

An abstract graphic featuring several thick, horizontal red brushstrokes of varying lengths and positions, creating a sense of movement and depth. The strokes are layered, with some appearing in front of others, and they are set against a background of fine, light gray diagonal lines.

MADE TO IMPRESS

OUR TEAM IS SPIRITED, FAST AND DEPENDABLE

The team behind S-RACE® consists of dedicated experts in dye sublimation printing and they are fun and pleasant to work with. We are focused on delivering a fast and reliable service, together with a consistently high quality of all our products.

Contact your personal sales representative in the region.

EMEA

Osnabrück, Germany
Giuseppe Re
P +49 541 3800 - 164
GRe@Felix-Schoeller.com

NORTH AMERICA

Pulaski, NY, USA
Robert T. Musak
P +1 315 298 - 8437
RTMusak@Felix-Schoeller.com

SOUTH & CENTRAL AMERICA

Sao Paulo, Brazil
Flavio C. Spelling
P +55 19 99765 - 9808
FCSpelling@Felix-Schoeller.com

CHINA, TAIWAN, KOREA

Shanghai, China
Martin Jiang
P +86 21 5820 - 5877
MJiang@Felix-Schoeller.com

RUSSIA

Moscow, Russia
Ekaterina Protopopova
P +7 916 442 - 9588
EProtopopova@Felix-Schoeller.com

PAKISTAN, UAE

Günzach, Germany
Matthias Baumgärtner
P +49 837 2910 - 303
MBAumgaertner@Felix-Schoeller.com

SOUTH EAST ASIA

Kuala Lumpur, Malaysia
Alfred Chen
P +60 3 5624 - 4245
AChen@Felix-Schoeller.com

INDIA, BANGLADESH, SRI LANKA

Mumbai, India
Rajan Vaswani
P +91 9820024 - 522
RVaswani@Felix-Schoeller-India.com

AUS, NZ

Melbourne, Australia
Carl Richardson
P +61 419 383 050
CRichardson@Felix-Schoeller.com

JAPAN

Tokyo, Japan
Tomoaki Kawaguchi
P +81-35326-3355
TKawaguchi@Felix-Schoeller.com

Application Technology

North America
Anaheim, CA, USA
Larry Cohn
P +1 (714) 388 5532
digisan@sbcglobal.net

Application Technology

China & APAC
Longyou, China
Davis Yang Honglin
P +86 1865 1605 197
yhl@winbon-schoeller.com

Application Technology Global

Osnabrück, Germany
Georg Ullrich
P +49 541 3800 - 838
GUllrich@Felix-Schoeller.com

Product Management Global

Osnabrück, Germany
Dirk Hörnschemeyer
P +49 541 3800 - 432
DHoernschemeyer@Felix-Schoeller.com