



SUBLIMATION MADE TO IMPRESS

S-RACE®
sublimation papers

PAPER MADE FOR LIFE



FELIX SCHOELLER

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 sportswear and fashion 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 color 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.

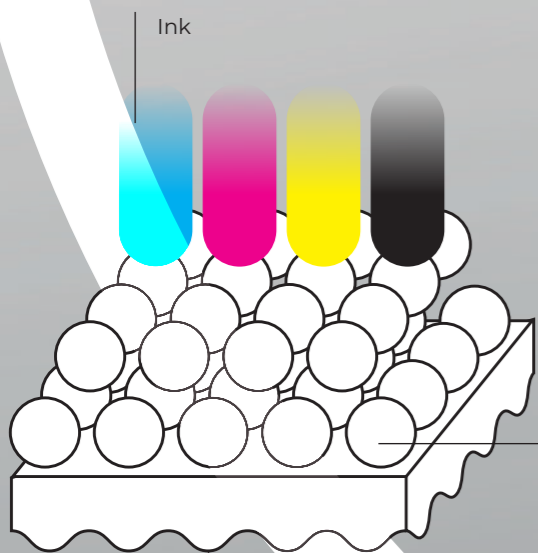
S-RACE® – FEATURING GROUNDBREAKING AND ADVANCED TECHNOLOGY

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.

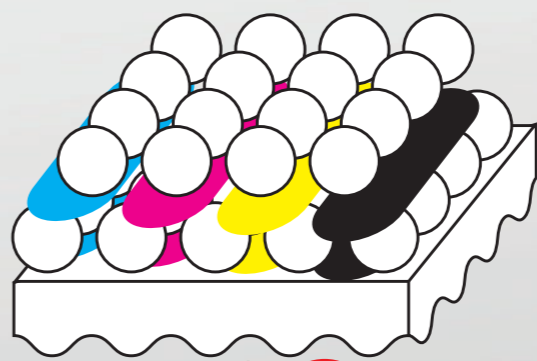
In comparison, with S-RACE® and its extremely fast drying properties, subsequent production steps can be immediately started – for efficient processes and higher productivity.

Therefore we promise:
S-RACE® is the next generation dye sub paper



1

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

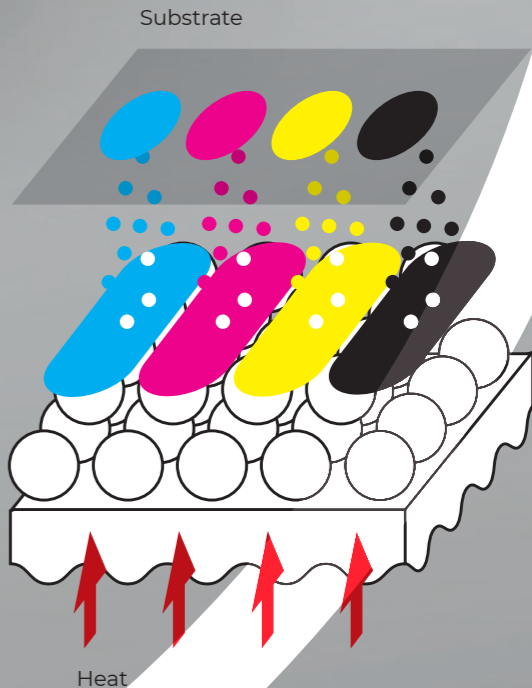


2

Ink absorption
The microporous color 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.

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.



TWO STRONG PRODUCT LINES DESIGNED TO IMPRESS

PRODUCT LINE S-RACE® SELECT

FROM FASHION TO MERCHANDISE – WITH FULL FLEXIBILITY

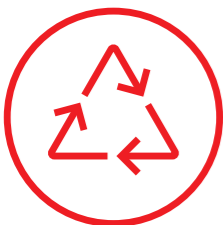
With its highly advanced microporous coating, the products of the S-RACE® Select line are perfect at receiving and releasing ink, offering original S-RACE® technology and the opportunity to get the best out of production in terms of quality and efficiency. Available in multiple weights, sizes, and specifications for full flexibility and design freedom,

they can be used not only for transfer to fabrics in fashion and sportswear, but also in several other diverse applications, such as merchandising or home decor.

All products of the S-RACE® Select line are fully recyclable, and come with on-request technical support worldwide.

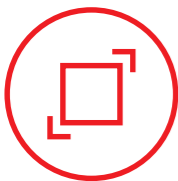
TECHNOLOGY

Microporous pigment coating



All products of the S-RACE® Select line are fully recyclable.

KEY FEATURES



SMALL AND LARGE FORMAT



SUITABLE FOR SOFT AND HARD SUBSTRATES



55-120 GRAMS



SPECIAL APPLICATIONS
(e.g. elastic textiles or aluminum photo panels)

PRODUCT LINE S-RACE® DYNAMIC

THE DYNAMIC OPTION FOR INDUSTRIAL MACHINES

Specifically designed for machines with higher speeds, the S-RACE® Dynamic line is the new addition to our S-RACE® sublimation papers. A conventional dye sublimation paper but with improved properties by giving the ink receiver microporous capabilities, making it highly suitable for industrial applications. The

product line focuses on papers with lower grammages, making it the new option for larger and faster printing machines to provide high quality sublimation papers for textile applications. The S-RACE® Dynamic line enables an easy qualification on the printing machine, offering all the advantages of a microporous and conventional paper.

TECHNOLOGY

Microporous organic coating



All products of the S-RACE® Dynamic line are not only recyclable, but also biodegradable due to the coating, which is based on an organic compound.

KEY FEATURES



INDUSTRIAL MACHINES



LOWER GRAMMAGES



TEXTILE APPLICATIONS



EASY QUALIFICATION

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 one that fits best.

TEXTILE APPLICATIONS



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.



Sportswear elastic textiles

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

HARD SUBSTRATE APPLICATIONS



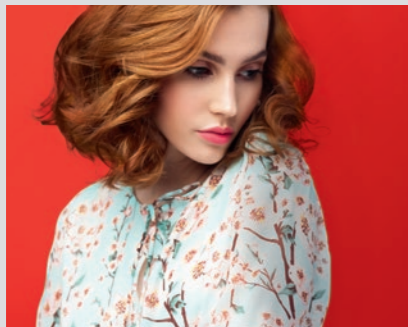
Merchandise

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 color gamut and deep non-cloudy blacks possible (e.g. ChromaLuxe® 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.



Soft signage

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



Interior and architecture

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

! INFO

S-RACE® is suitable for a large range of applications and available in a wide range of different weights/specifications and sizes – up to a roll width of 320 cm. 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.

MAXIMIZE 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 can actually 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 optimize your processes and to prepare customized 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 calendaring 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 optimization

We help you to maximize 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 realization on-site



ADVANCED

ICC Profile preparation

Drawing up and controlling of customized 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 realization on-site

READY TO MAKE A DIFFERENCE?



By harnessing the power of paper, we at Felix Schoeller enable our customers and partners to deliver solutions that make life better for people and the planet. We do so by providing established paper solutions, by enhancing the use of paper in new applications, and by substituting limited resources through a renewable raw material, paper. That is why we say: **PAPER MADE FOR LIFE.**

Our family tradition in the paper industry began in 1895 in Osnabrück, and since then our expertise has grown continuously – and internationally. For S-RACE®, we combine our comprehensive knowledge and thorough coating know-how on complex color receiver layers with the high-quality demands on paper of the photographic industry with the most sophisticated machines and technologies.

Today, we develop, produce and market specialty paper solutions ranging from photographic and digital printing papers to decor papers for the furniture, wood-based panel industries to release liners, sublimation papers, and flexible paper composites for packaging worldwide. We know well that paper alone is not the final solution and that unlocking paper's full potential requires collective expertise. That's why,

we're committed to working together with our customers and partners.

Global production footprint, local availability.

Felix Schoeller's S-RACE® sublimation paper is produced at our mill in Weissenborn, Germany and at our joint venture mill Winbon Schoeller New Materials, in Longyou, China. Together with our converting

sites in the USA and India as well as our global network of distributors, we guarantee local availability.

Ready to make a difference?

Use the contact form on the S-RACE website to get in contact with us: s-race.com/contact



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