

FIBER & TEXTILE AUXILIARIES

SYNTRAJET P

Direct food contact inks



ZSCHIMMER & SCHWARZ



TRUST IN OUR EXPERTISE

With a rich heritage of over ten years of technology and innovation, coupled with continued investment in research and development, Zschimmer & Schwarz's SYNTRAJET brings a diverse range of products and expertise to the food-contact ink market.

From the most vibrant and rich colors to the creation of customized formulations, SYNTRAJET ensures color consistency across production runs and offers a range of ink options and viscosities suitable for different printing systems.

Whether it's for direct food packaging, labeling or other food-contact applications, SYNTRAJET is your trusted partner in bringing color to life while maintaining stringent safety standards.



VALUES THAT DISTINGUISH US

▶ **Regulatory compliance**

Adherence to industry standards and certifications, providing peace of mind to manufacturers and consumers regarding ink safety

▶ **Color vibrancy**

Ability to produce vivid and rich colors, enhancing product aesthetics and appeal

▶ **Custom formulations**

Capacity to create tailored ink formulations to meet specific printing requirements and substrate compatibility

▶ **Versatility**

Compatibility with various printing methods and different substrates used in food packaging and labeling applications

▶ **Durability**

Resistance to fading, smudging or transferring onto food items, ensuring printed designs remain intact and legible

▶ **Environmental considerations**

Offerings of eco-friendly ink options with reduced environmental impact, catering to sustainability-conscious businesses

OUR COMMITMENT FOR YOUR SUCCESS

- ▶ Worldwide individual and customized assistance by specialized technicians
 - ▶ Research & Development centers in Germany, Italy and Spain
 - ▶ Consideration of the complete workflow to apply digital printing in a production process – with our focus on design selection, color management and required pre- and posttreatment
-



PRODUCT RANGE

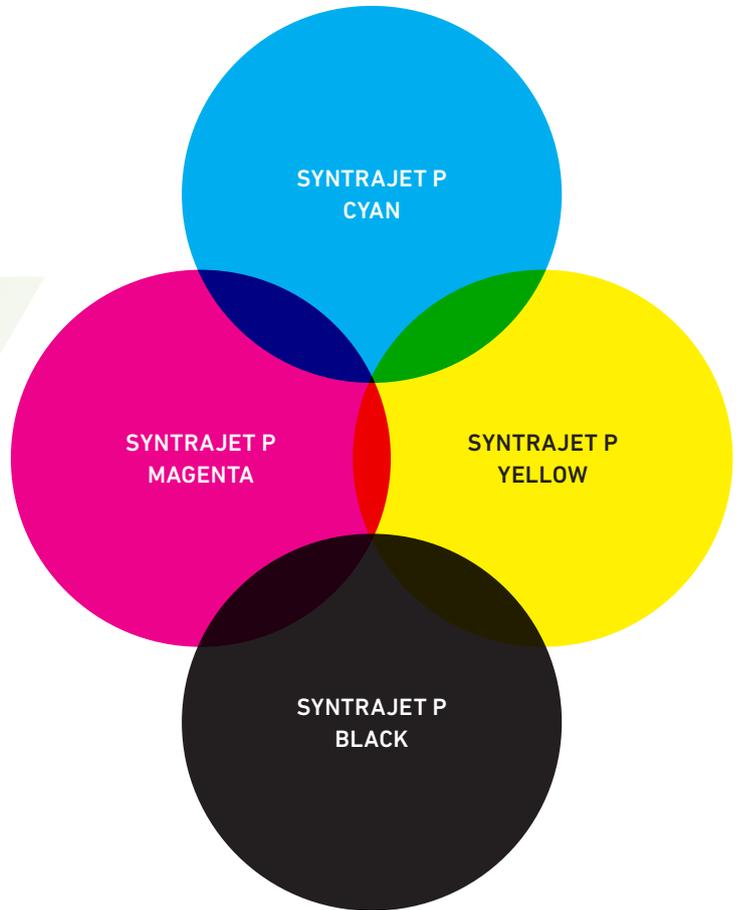
► **SYNTRAJET P**

For low- and medium-viscosity printheads (4–7 cps);
market application: napkins, corrugated packaging,
food packaging

This colorful range is completed by:

► **SYNTRAJET PRIMER**

► **CLEANER PE**



PRINTHEADS

WHICH INK FOR WHICH PRINTHEAD?

PRINTHEAD MANUFACTURER	PRINTHEAD MODEL	LOW-VISCOSITY INKS (3–4 CPS)	MEDIUM-VISCOSITY INKS (6–8 CPS)
FUJI DIMATIX			
	DIMATIX SAMBA	▲	
EPSON			
	S800-A1	▲	
	L1440-A1	▲	
	I3200-(4)-A1/I1600-A1	▲	
	S3200-A1	▲	
	S3200-A3		▲
	D3000-A1R		▲
	DX4 & DX5	▲*	
	DX7	▲*	
KONICA MINOLTA			
	KM512i		▲
	PANASONIC (UH-HA810)		▲
	PANASONIC (UH-HA820)		▲
	KM1024ISAE-C	▲	▲
	KM1024IMAE-C	▲	▲
KYOCERA			
	KJ4B-YH		▲*
	KJ4B-QA		▲*
	KJ4B-0300		▲*
RICOH			
	GEN 5MF (MH5421MF)		▲
	GH2220		▲

* Performance tested internally and externally

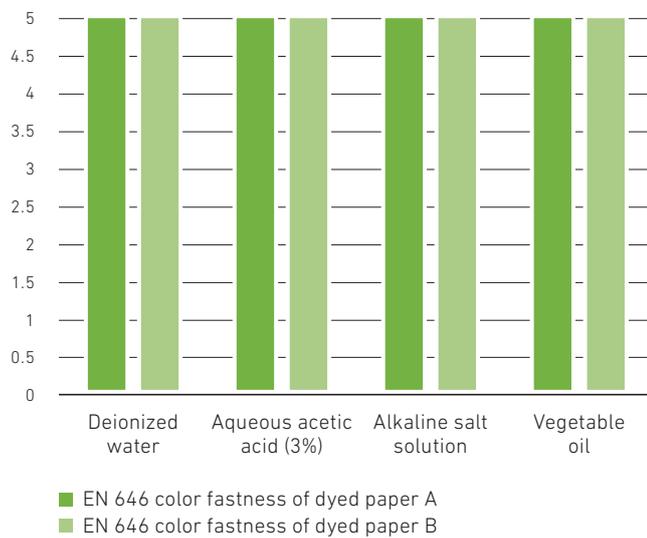
INK PROPERTIES

SYNTRAJET P

pH	7–8
Viscosity mPa*s @ 25 °C	4.0–6.5
Surface tension mN/m @ 25 °C	36–38
Density g/l	1.05–1.15
Food-contact labels	Regulation 1935/2004 LFGB BfR recommendation XXXVI Swiss Ordinance (Annex 10) Nestlé Guidelines
Jetting temperature	20–32 °C (depending on specific setup)
Shelf life (under recommended storage conditions)	12 months



COLOR FASTNESS FOR DIFFERENT TYPES OF PAPER AND PARAMETERS



SYNTRAJET P reaches the maximum level of color fastness for each type of paper and parameter.



Chemistry tailor-made

Zschimmer & Schwarz

Mohsdorf GmbH & Co. KG
Chemnitztalstrasse 1
09217 Burgstaedt | DE
T +49 3724 67-0 | F +49 3724 67-209
info.zsm@zschimmer-schwarz.com
zschimmer-schwarz.com

Zschimmer & Schwarz

GmbH & Co KG Chemische Fabriken
Max-Schwarz-Strasse 3-5
56112 Lahnstein | DE
T +49 2621 12-0 | F +49 2621 12-407
info@zschimmer-schwarz.com
zschimmer-schwarz.com

Zschimmer & Schwarz

España, S.L.U.
Ctra. CV-20, km. 3.200. Apdo. 118
12540 Vila-real (CS) | ES
T +34 964 626 365 | F +34 964 626 092
info.zse@zschimmer-schwarz.com
zschimmer-schwarz.es



For more information
about our product range
for digital printing, please
scan the code