



BIRKAN
Intelligent offset & flexographic materials
SINCE 1924

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BIRKAN and packaging printing

The emotional added value which is commonly attributed to modern packaging confronts printers with a host of new challenges. Simply printing the carton is no longer enough. Multinational customers demand innovative solutions that work equally well across different cultures along with creativity, maximum production flexibility and perfect quality – not to mention the shortest possible delivery times.

For many years now, BIRKAN has been a partner you can rely on to master the challenges associated with choosing the right printing blankets, varnishing plates and underpacking material. We are renowned for our wide product range which caters for the most diverse

requirements and niche markets. Our in-house converting facility is one of Europe's biggest. We also manufacture varnishing plates to meet your individual needs: stripped, washout photopolymer or – for particularly exacting specifications – elastomer with direct laser engraving.

You can find all the best products for packaging and carton printing from our substantial portfolio on the next few pages.

We also support your standardization efforts with sound advice on the optimal mounting technique or on packing measurements. Put your trust in BIRKAN's intelligent consumables: quality, expertise and service under one roof.

HIGH-TECH BLANKETS for conventional inks

There are plenty of sheetfed offset printing blankets on offer. Whether they can really be considered suitable for carton printing is another matter. We'd like to recommend three classics from our portfolio.

Each of these blankets has its characteristic strengths – the most important features are listed here. All of them are proven in numerous applications and boast an unusually long service life, outstanding resistance to smashes and edge cutting plus quick paper release. They also deliver impressive value for money. Our contribution to perfect end results!

More products and technical data on request or at www.birkan.de.

BIRKAN S.C. 900 E

- ✓ Suitable for high speed presses
- ✓ Wide range of cardboards
- ✓ Sharp dot reproduction
- ✓ Top price positioning
- ✓ ISEGA certified blanket

Ref. 010351 | 1.95 mm

BIRKAN Dot-Master RS

Our No. 1 in carton printing

- ✓ Increased surface roughness = optimized QR effect
- ✓ Prevents delamination
- ✓ Troubleshooting qualities (recommended by press manufacturers!)
- ✓ Extraordinary durability
- ✓ ISEGA certified blanket

Ref. 010810 | 1.95 mm

BIRKAN S.C. 800 ground

- ✓ Various applications
- ✓ Suitable for alternate use of different inks (conventional, UV) on different substrates
- ✓ Thick compressible layer
- ✓ Excellent ink transfer

Ref. 010715 | 1.95 mm

HIGH-TECH BLANKETS for UV inks

Today, packaging printing would be unthinkable without UV inks and varnishes. New technologies like LE-UV and LED-UV for low-energy UV drying create new requirements for printing blankets.

With **BIRKAN** you are assured the ideal solution for your particular press and your application. Our UV printing blankets will never let you down: they have an EPDM surface that guarantees exceptional durability throughout the printing process. Excellent swell resistance to UV curing inks and aggressive washing agents goes hand in hand with reduced paper and carton dust piling. And last but not least, the end results will be perfect every time.

More products and technical data on request or at www.birkan.de.

BIRKAN Aeropress Premium UV

- ✓ New solution for LE and LED UV printing applications
- ✓ Optimized surface
- ✓ Compressible layer with uniform thickness over the blanket's entire width
- ✓ Top carcass provides stability and durability
- ✓ Neutral feed characteristics
- ✓ ISEGA certification in progress

Ref. 025233 | 1.95 mm

BIRKAN Aeropress Special UV red

- ✓ 4-ply construction
- ✓ Top seller with top references
- ✓ Excellent sheet release
- ✓ Undisputable print quality
- ✓ ISEGA certified blanket

Ref. 025255 | 1.95 mm

BIRKAN Aeropress Special UV violet

- ✓ 4-ply construction
- ✓ Particularly abrasion and swell resistant surface
- ✓ Optimized compressible layer for increased durability
- ✓ ISEGA certified blanket

Ref. 025230 | 1.95 mm

BIRKAN Masterprint UV

- ✓ 3-ply construction, other features similar to ref. 025255
- ✓ Economical alternative

Ref. 025257 | 1,95 mm

VARNISHING PLATES, strippable

Packaging with a varnished finish is where the future lies. Finding the right varnishing plate tends to be a daunting challenge: it must be easy to process and strip (yet another of the services in our portfolio, by the way¹), transfer every conceivable varnish optimally with zero ink build-up and repay the initial investment with a long service life. That's why we stock such a huge range of varnishing blankets for you to choose from – with different substrates, surfaces, Shore hardnesses, etc. The following are just a small selection which are especially recommended for packaging printing.

More products and technical data on request or at www.birkan.de.

¹ Plotter service: Please e-mail your data to vorstufe@birkan.de or send them via FTP.



Folacoat Plus PET

- ✓ Aqueous and UV varnishes
- ✓ Polymer surface
- ✓ Dimensionally stable polyester carrier (double layer with cutting protection)
- ✓ Suitable for LED-UV and H-UV
- ✓ Perfect coating transfer
- ✓ High durability
- ✓ ISEGA certified product

Ref. 031514 | 1.15 mm

Folacoat Advance

- ✓ Aqueous and UV varnishes
- ✓ Polymer surface
- ✓ Dimensionally stable polyester carrier
- ✓ Very good coating transfer even at high speeds
- ✓ Economical varnishing plate, perfect for smaller runs

Ref. 031682 | 1.15 mm

Ref. 031681 | 1.35 mm

Super Strip 2

- ✓ Aqueous and UV varnishes
- ✓ Micro-ground EPDM rubber surface
- ✓ Dimensionally stable polyester carrier
- ✓ Integrated compressible layer
- ✓ Excellent coating transfer
- ✓ Deep stencil depth, clean stencil cutting
- ✓ ISEGA certified product

Ref. 010697 | 1.15 mm

VARNISHING PLATES, photopolymer

Photopolymer varnishing plates help you achieve the highest possible production accuracy when the emphasis is on picture definition, registration and conversion of complex subjects.

Your varnishing plates are imaged on a high speed laser at HANS KAPPL, our sister company in Nuremberg. They then have to be exposed and washed before they are ready.

Incidentally, as a specialist provider of prepress services, HANS KAPPL does not simply supply top-quality printing and varnishing plates but can also support you with know-how on all aspects of the reproduction process – the outcome of decades-long experience.

Please e-mail your data to vorstufe@birkan.de or send them via FTP. More informations on request.



nyloflex® Gold A

- ✓ Aqueous and UV varnishes
- ✓ Aluminium base for high register accuracy
- ✓ Reproduction of finest details
- ✓ Good ink transfer of metal pigment and pearlescent inks

Ref. 313002 | 1.16 mm

nyloflex® Seal F

- ✓ Spot and full surface coating
- ✓ Dimensionally stable polyester carrier
- ✓ Very good transfer of aqueous and UV varnishes
- ✓ Wide exposure latitude, high print contrast

Ref. 313003 | 1.16 mm

Cyrel® DVS

- ✓ Ideal for varnishing and special effect ink and coatings applications
- ✓ Dimensionally stable polyester carrier
- ✓ Excellent varnish transfer
- ✓ High durability for long print runs

Ref. 313004 | 1.14 mm

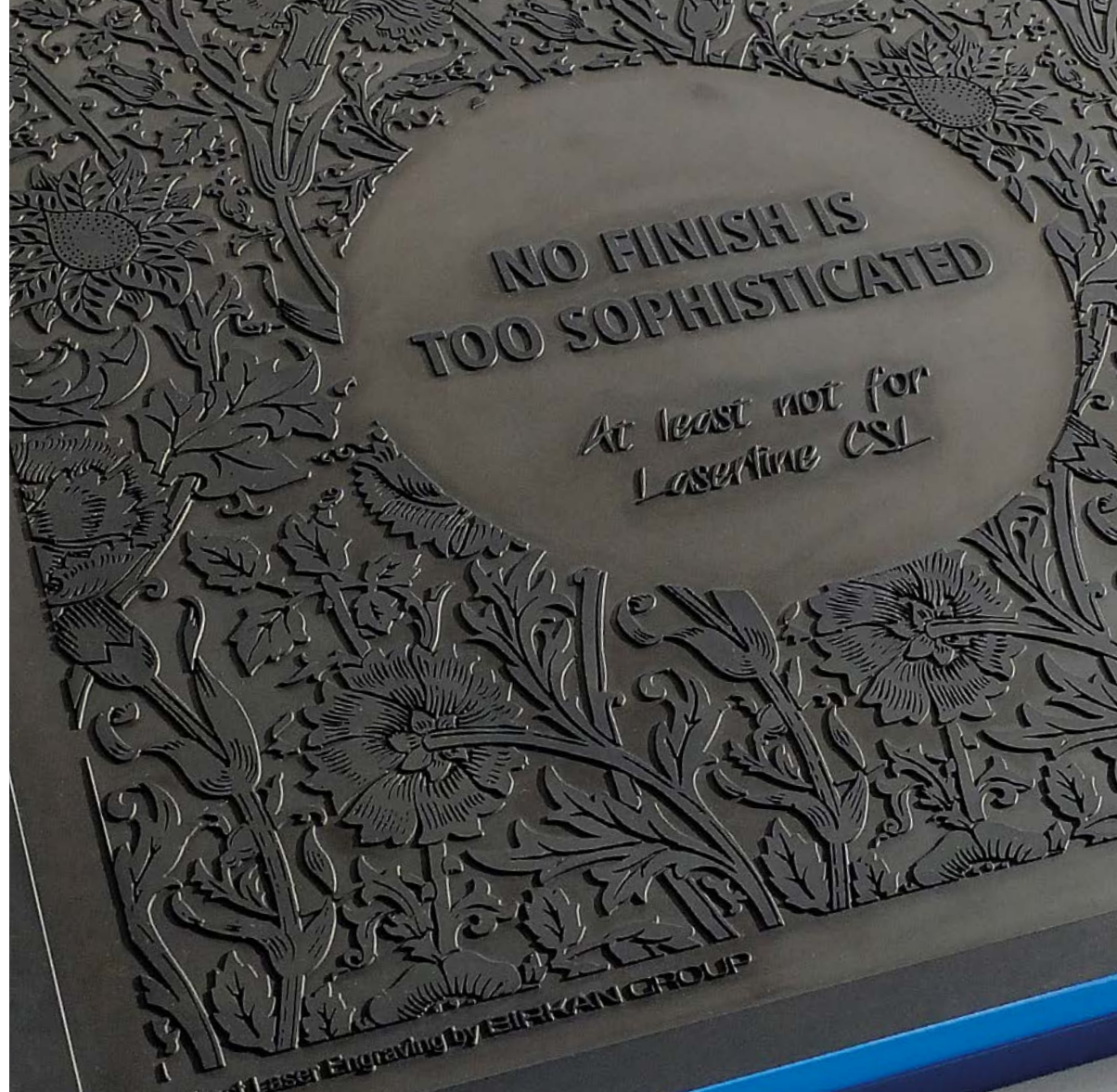
VARNISHING PLATES, elastomer/laser engraved

High-end solution for carton finishing: Laserline CSL

This innovative varnishing plate, made from elastomer material, demonstrates clear quality advantages particularly in packaging printing. It is directly engraved with a fibre laser – an eco-friendly technology with microscopic resolution which is currently unmatched by any other vendor.

Laserline CSL is predestined for subjects with complicated patterns or delicate fonts. It moreover convinces with superb transfer characteristics, even with traditionally problematic varnish types.

The elastomer material is unbreakable and user friendly while the laser image withstands even severe stresses without any changes. It is generally several times more durable than other materials.



The STI GROUP's latest "Look Book", containing numerous breathtaking finishing examples, was produced in part using Laserline CSL.

Laserline CSL

- ✓ For aqueous and UV varnishes
- ✓ Ideal for the transfer of textured, high-gloss, soft touch or other special-effect varnishes
- ✓ Insensitive material (chemicals, shocks, breakage, scratching)
- ✓ UV and ozone resistant EPDM surface
- ✓ Direct laser engraving technology allows maximum of edge sharpness, maximum resolution of 5080 dpi

Ref. 008900 | 1.15 mm

Please e-mail your data to vorstufe@birkan.de or send them via FTP. More informations on request or at www.birkan.de.

UNDERPACKING for printing cylinders

Calibrated underpacking sheets

- ✓ 10 thicknesses, assorted by colour
- ✓ Anti-slip surface
- ✓ Thorough impregnation for protection against swelling

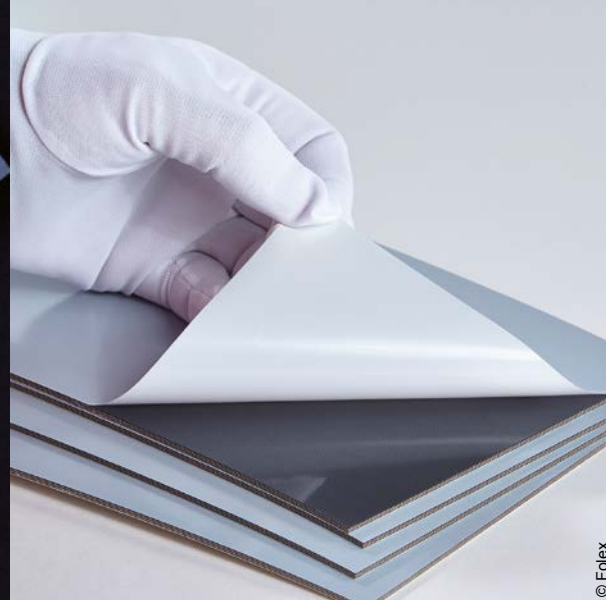
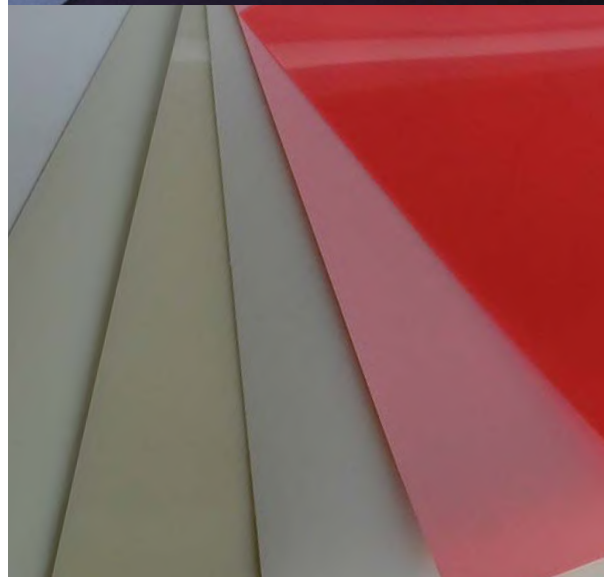
Fig. above:
Thicknesses available from
0.075 mm (light blue) to 0.50 mm (grey)



Folabase underpacking foils

- ✓ Uncoated or self-adhesive
- ✓ Tear-resistant, dimensionally stable polyester
- ✓ Smash resistant, self-healing
- ✓ High resistance to swelling
- ✓ For blanket or plate cylinder
- ✓ Versions „Soft U“ and „Soft A“ with soft surface

Fig. below:
Folabase U, Folabase Soft U, Folabase Soft A,
Folabase H48, Folabase H48RB
(from left to right)



© Folex

UNDERPACKING for coating cylinders

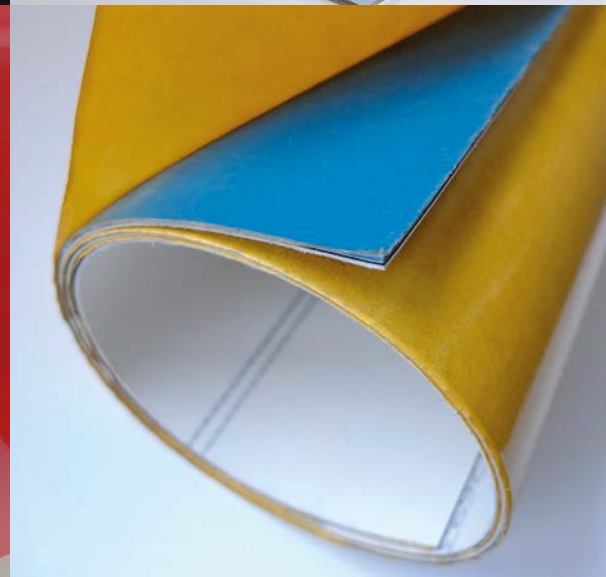
Coating form cylinder underpacking

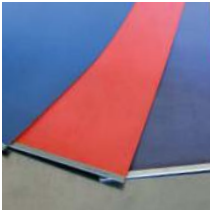
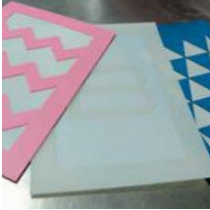
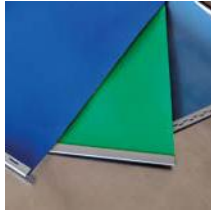
- ✓ Protects your coating forms.
- ✓ Compensates thickness differences and improves the quality of your varnishing result.
- ✓ Considerable time saving: Only the varnishing plate or blanket is changed; the underpacking remains on the cylinder.

We offer compressible underpackings in standard thicknesses from brand manufacturers. Alternatively, we can produce underpackings tailored to your individual needs in every desired thickness.

Fig. above:
Compressible underpacking
Folacomp PA (self-adhesive)

Fig. below:
BIRKAN coating form cylinder underpacking,
self-adhesive





- Nine decades of experience
- Special range for packaging/carton printing
- Blanket conversion and production of varnishing plates at highest technological level
- Reproduction and prepress service
- Short delivery times
- Delivery worldwide to more than 100 countries
- Comprehensive portfolio of services



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