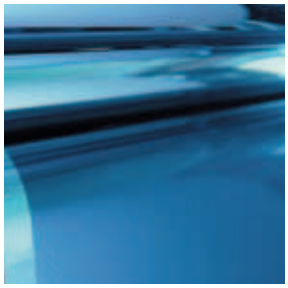
folex®

PRODUCTS FOR THE PRINTING INDUSTRY

System solutions for the printing unit

the fine art of coating

PRINTING
INDUSTRY



INDEX / PICTOGRAMS

PICTOGRAM OVERVIEW

Self-adhesive

Anti-slip

Polyester base/carrier

Paper jam-resistant
Crease-resistant/self-healing

Repositionable

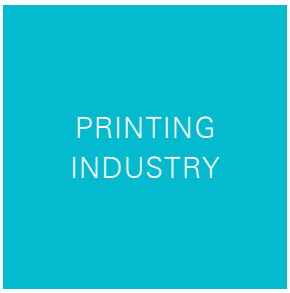
ABOUT FOLEX

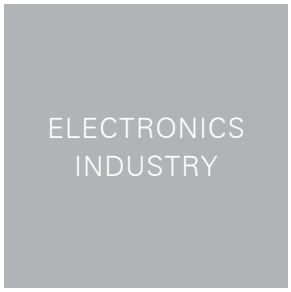
HIGH EXPERTISE IN COATING

The Folex Group specialises in the finishing and coating of films and specialities and has production plants based in Switzerland (Schwyz) and Germany (Cologne) that offer high-quality products and tailor made services for a wide variety of markets.

Folex dynamically adapts its portfolio to changing customer needs and technical developments. Based on its core competence, coating, Folex constantly works on optimising existing products to develop new potential applications for different technologies. Today Folex offers solutions for many sectors, from the Printing Industry or digital and large-format printing, the office and home sector, all the way to primary products for the Electronics Industry. In addition to which, Folex has also developed extensive skills in membrane separation technology.

As a family-owned company with a long-standing tradition, we feel committed to a clearly defined set of values based on integrity, dependability, quality, a love of innovation, and awareness of our responsibilities. As our customer, you can also benefit directly from this competence and our innovation. For instance, we can offer you consulting services during the development phase, or develop new solutions on your behalf.





POLYESTER UNDERPACKING FOILS

POLYESTER UNDERPACKING FOILS, SELF-ADHESIVE

The self-adhesive polyester underpacking foils of the Folabase range are characterised by high resistance to swelling in the presence of damping solution and washing agents. They are used to adapt the cylinder circumference and printing length on sheet-fed and web presses. The self-adhesive versions support automation, particularly on presses with automatic plate changers, and simplify subsequent handling. The microgrooves created by fine lines in the adhesive surface simplify mounting on the cylinder and, if necessary, also facilitate re-mounting during application. The adhesive coating is protected by release paper. Folabase adhesive systems are characterised by high thermal stability up to 60 °C.

In contrast to paper-based underpacking sheets, the tear-resistant, dimensionally stable polyester does not suffer any reduction in thickness when exposed to excessive pressures. Since they contain no PVC, used foils can be disposed of without difficulty.

The available nominal thicknesses can be found in the overview on Page 6.

FOLABASE H45

The standard product Folabase H45 is the classic among the self-adhesive underpacking foils. The adhesive demonstrates ideal properties on almost all cylinder surfaces and is specifically recommended for use on plate cylinders.

- Folabase H45

The dimensionally stable polyester underpacking for plate cylinders.

FOLABASE H45-RB

Folabase H45-RB is coated with the same adhesive as the time-proven standard product H45. A special matt finish additionally applied on one side supports the fixing of rubber blankets, especially on rotary presses, and guarantees register-accurate dot transfer.

- Folabase H45-RB

The matt-finished polyester underpacking for blanket cylinders on rotary presses.

FOLABASE SOFT A

Folabase Soft A is a logical supplement to our portfolio, offering the user various advantages. Once mounted on the blanket cylinder, this material remains on the cylinder for a long time, thus reducing expensive make-ready times on the press.

POLYESTER UNDERPACKING FOILS

- Folabase Soft A

The soft, self-adhesive underpacking foil for blanket cylinders on sheet-fed offset presses.

POLYESTER UNDERPACKING FOILS, NON-ADHESIVE

The non-adhesive Folabase underpacking foils are characterised by high resistance to swelling when exposed to damping solution and washing agents. In contrast to underpacking sheets made of paper, the tear-resistant, dimensionally stable material does not suffer any reduction in thickness when exposed to excessive pressures. Soiled foils can be cleaned using common washing agents.

The available nominal thicknesses can be found in the overview on Page 6.

FOLABASE U

Folabase U is the name of our durable, untreated polyester foil without adhesive coating for efficient use in place of paper-based underpacking, which is susceptible to swelling and tearing. This type of underpacking is recommended if hard underpacking is required.

- Folabase U

The tear- and swell-resistant underpacking foil made of dimensionally stable polyester.

FOLABASE SOFT U

For many years, the enormous number of printing presses called for multi-layer underpacking under the printing blanket. Folabase Soft U puts an end to this, offering a coordinated range of thicknesses for use on sheet-fed offset presses. In this context, a single underpacking foil suffices to achieve the necessary packing height. The swell-resistant underpacking material is characterised by a dimensionally stable polyester carrier and a soft polymer layer.

Folabase Soft U offers semi-hard underpacking with resilience similar to that of paper underpacking. The polymer composite has improved resistance in the event of paper jams, guaranteeing optimum dot transfer over a long period of time.

- Folabase SOFT U

The efficient alternative to calibrated paper underpacking sheets thanks to high smash resistance.

OVERVIEW OF FOLABASE UNDERPACKING FOILS

FOLABASE UNDERPACKING – AVAILABLE NOMINAL THICKNESSES

		H45	H45-RB	U	Soft U	Soft A
Nominal thickness in mm	Nominal thickness in inch	Self-adhesive	Self-adhesive, matt surface	Non-adhesive	Non-adhesive, soft surface	Self-adhesive, soft surface
0.04	0.0016	✓		✓		
0.08	0.0031	✓		✓		
0.10	0.0039	✓		✓		
0.12	0.0047	✓		✓		
0.14	0.0055	✓	✓	✓		
0.16	0.0063	✓	✓	✓		
0.18	0.0071	✓	✓	✓		
0.20	0.0079	✓	✓	✓		
0.23	0.0090	✓	✓	✓		
0.25	0.0098	✓	✓	✓		
0.28	0.0110	✓		✓		
0.30	0.0118	✓		✓		
0.35	0.0140	✓		✓	✓	✓
0.40	0.0160	✓			✓	✓
0.45	0.0180	✓			✓	✓
0.50	0.0197	✓			✓	✓
0.55	0.0217				✓	✓
0.60	0.0236				✓	✓
0.70	0.0280				✓	✓
0.75	0.0295				✓	✓
0.80	0.0318				✓	✓
0.90	0.0350				✓	✓
0.95	0.0370				✓	✓
1.05	0.0410				✓	
1.10	0.0430				✓	✓
1.30	0.0510				✓	✓
1,40	0.0550					✓
1.45	0.0570				✓	

ANTI-MARKING FILMS

ANTI-MARKING FILMS

Folex anti-marking films are based on polyester films and have a special frequency-modulated, three-dimensional coating. The textured surface minimises the tendency to ink trapping, and the higher areas additionally make for an extremely small contact surface of the fresh printed sheet. The anti-marking film can thus very largely prevent the depositing of fresh ink on transfer cylinders and drum caps of perfecting presses, stabilising the quality of the printed image throughout the entire printing process. In contrast to fabric-based alternative solutions, soiled anti-marking film can easily be cleaned with common washing agents.

The rougher the surface of the film, the smaller the contact surface for the printed sheet and the lower the risk of unwanted ink deposits. On the rare occasions that the image quality is impaired when using films with a rough surface (7 µm), we recommend the use of the more finely textured anti-marking film (3.5 µm).

- Anti-Marking-Film SA

Folex self-adhesive anti-marking films are available with surface roughnesses of 3.5 µm (thickness 0.20 mm) and 7 µm (thickness 0.25 mm). The adhesive layer is protected by release paper.

- Anti-Marking-Film NA

Folex non-adhesive anti-marking films are available with surface roughnesses of 3.5 µm (thickness 0.20 mm) and 7 µm (thickness 0.25 mm).

PRINTING INDUSTRY

folex®

Folex GmbH
Unnauer Weg 6c
50767 Köln
Germany
phone +49 221 97 94 79 0
fax +49 221 97 94 79 9
info@folex.de
www.folex.de

Folex AG
Bahnhofstrasse 92
6423 Seewen SZ
Switzerland
phone +41 41 819 39 39
fax +41 41 810 01 35
int.sales@folex.ch
www.folex.com

90600.000.00054 / 04.12 / pp / 1.0