

FOLEX UNDERPACKING MATERIAL – NON-ADHESIVE

UNDERPACKING MATERIAL – NON-ADHESIVE

Increasing printing speeds in sheet-fed and web offset printing call for precise, high-performance underpacking materials. Given these requirements, special importance must be attached to the adaptation of cylinder circumference and printing length.

Folabase underpacking foils are characterised by high resistance to swelling when exposed to dampening 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.

All Folabase underpacking foils can be disposed of without difficulty, since they contain no PVC.

FOLABASE U

Our non-adhesive Folabase U underpacking foils can be used like paper underpacking sheets under the offset printing plate or the rubber blanket. Selected raw materials achieve maximum thickness precision and make for optimum printing quality and a trouble-free printing process. Moreover, Folabase underpacking foils can also be used in conjunction with our compressible Folacomp underpacking for ideal cylinder rolling in the coating unit.

FOLABASE SOFT U

Hard underpacking materials, such as paper or foils, provide a stable basis for cylinder packing. It turns out, however, that these hard underpackings can lead to printing problems, the undesirable result being dot gain and/or streaking when printing solids. Moreover, the use of several underpacking sheets to achieve the correct packing height can lead to slipping during the printing process. This can result in printing blankets being damaged.

The concept of our Folabase Soft underpacking is designed to further standardise the printing process and increase process reliability. The two-layer underpacking consists of a dimensionally stable polyester film and a flexible polyurethane layer.

This composite enables ideal dot transfer and particularly reduces streaking when printing solids. The targeted, correct packing height can be achieved with a single underpacking sheet instead of several paper sheets.

Excessive pressures caused by paper jams are very largely absorbed by the flexible structure of the Folabase Soft underpacking, permitting continued use. In contrast to paper underpacking, the material composite of Folabase Soft underpacking is resistant to most commercially available dampening solutions and cleaners.

Folabase Soft U is the ideal underpacking film for impression cylinder packing on modern printing presses.

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Our self-adhesive underpacking foils offer the same advantages as the non-adhesive underpackings. However, self-adhesive underpacking foils prevent the underpacking sheet from slipping out when changing the printing plate or the blanket. Consequently, setup times can be effectively reduced.

Mounting of the underpacking foils is facilitated by the microstructure of the adhesive surface, this making it possible to easily reposition the underpacking foil, if necessary. The adhesive systems used are characterised by high thermal stability at up to 60 °C. The associated shear strength prevents slipping of the underpacking sheet, even when exposed to the highest stresses.

The protective film used prevents wrinkling and seals off the adhesive surface against dust, thus ensuring a long shelf life.



FOLABASE H48

Folabase H48 is a new Folex product in the segment of self-adhesive underpacking foils. Corrosion-inhibiting additives in our Folabase H48 underpacking foil protect the cylinder surface. The foil can be easily applied to almost all cylinders and can be removed quickly and cleanly with very little cleaning effort. The foil's release film consists of siliconised propylene. This prevents wrinkling and avoids dust inclusion. Given its high resistance to chemical cleaners and solvents, Folabase H48 is characterised by a long service life. The foil demonstrates very good thermal stability on the press.

FOLABASE H48-RB

Folabase H48-RB possesses the same positive properties as H48. A non-slip coating is additionally applied on one side for better fixing of rubber blankets.

This improves register-accurate dot transfer, especially on presses used for web offset and large-format sheet-fed off-set printing. Folabase H 48-RB is available in six different foil thicknesses.

FOLABASE SOFT A

Folabase Soft A is the self-adhesive version of our Folabase Soft U. The adhesive coating used is characterised by good adhesion and cohesion. The combination of these properties permits simple mounting on the impression cylinder and achieves long run lengths without the underpacking slipping during the printing process.

Long-term use of our Folabase Soft A permits high potential savings when setting up the press.