



Printing auxiliaries for web offset: the right way to use them

As a rule, today's printing inks are formulated in such a way that they can be applied without any additives. Nevertheless, there are cases in which printers have to adapt their ink to changing conditions. When this is the case, you must always remember that ink is a technically perfected compromise between a wide range of properties.

In other words, adjustments made to improve one particular property (including by means of adding printing auxiliaries) are almost always at the expense of some other property.

This is why recommended addition levels must always be adhered to precisely. Auxiliaries for which the dosage to be added is imprecise and those you can use as a cure for all ills have to be handled with particular caution. The following overview is aimed at helping the practitioner use tried-and-trusted and appropriate printing auxiliaries the right way.

Paste Reducer 10 T 9998

Paste Reducer on the basis of gelled mineral oil. The boiling range of the mineral oils used is between 240 and 270 °C, making them ideal for the web offset coldset process. This low boiling range permits the addition of higher quantities of additive without this having a negative effect on the drying characteristics under the same oven temperature. It is recommended for combating paper-induced picking caused by dusty stock surfaces or insufficiently bonded fibres. (See Thixoprint for picking caused by the absorption of the stock being too high.)

Recommended concentration

Up to 5%.

Classification

Code per German law on hazardous substances (GefStoffV): None
Safety Data Sheet available on request.

How supplied

1.0-kg vacuum-sealed cab

Thixoprint 10 T 0256

A paste made from mineral oil and alkyd resin that makes the ink film more flexible.

Stocks with fast absorption characteristics can tend to absorb the mineral oils in the ink too much and consequently lead to picking. The alkyd resins in Thixoprint are absorbed slowly by the paper and prevent the ink from being absorbed too quickly, while at the same time reducing the tack.

It is particularly recommended for preventing picking at the rear edge of the sheet or mottling. It reduces the tack of the ink without greatly altering its consistency.

Recommended concentration

Up to 8%.

How supplied

1.0-kg vacuum-sealed can

Classification

Code per German law on hazardous substances (GefStoffV): None

Safety Data Sheet available on request.

Farbfit 10 T 3303

Farbfit is an ink freshener for ink that has begun to dry. By spraying this auxiliary onto the rollers, you obtain an immediate effect, freshening up ink that has begun to dry and making it workable again.

Farbfit is particularly recommended for use in the web offset process for preventing web breaks in the startup phase brought about by picking and blocking.

Application

Spray it once or twice over the rollers or the blanket with a quick sweep of the hand.

Liefergebände

0.8-litre plastic bottle with spray head

10-kg plastic canisters

Classification

Code per German law on hazardous substances (GefStoffV): None

Safety Data Sheet available on request.