

Heatset web offset method

Varnishing in heatset

In the fifth printing unit on the heatset web offset printing machine at FPC, water-based varnishes can be used for heatset varnishing.

Description

Varnishing is used in order to give the printed product a high gloss or prevent it from smearing. Varnishing is commonly used in SFO-printing, whereby the product can be further processed immediately after varnishing. Varnishing can also be carried out for heatset products.

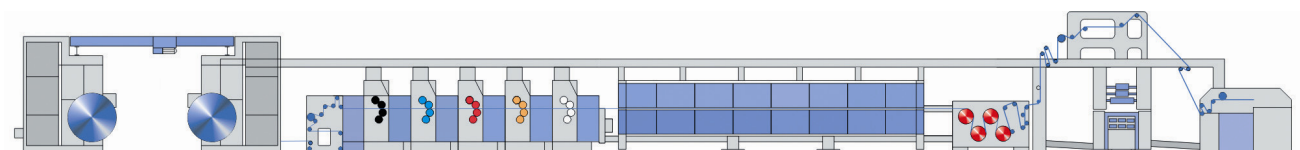
Since the varnish closes the paper surface effectively, the blistering tendency of the paper can be studied with varnished products.

At the HSWO-machine at FPC different varnish types can be studied. The varnish can be transferred to the paper in the same way as ink, i.e. the printing plate is totally or partly covered with varnish.

The effect of different drying conditions on the quality of the varnished product can also be studied.

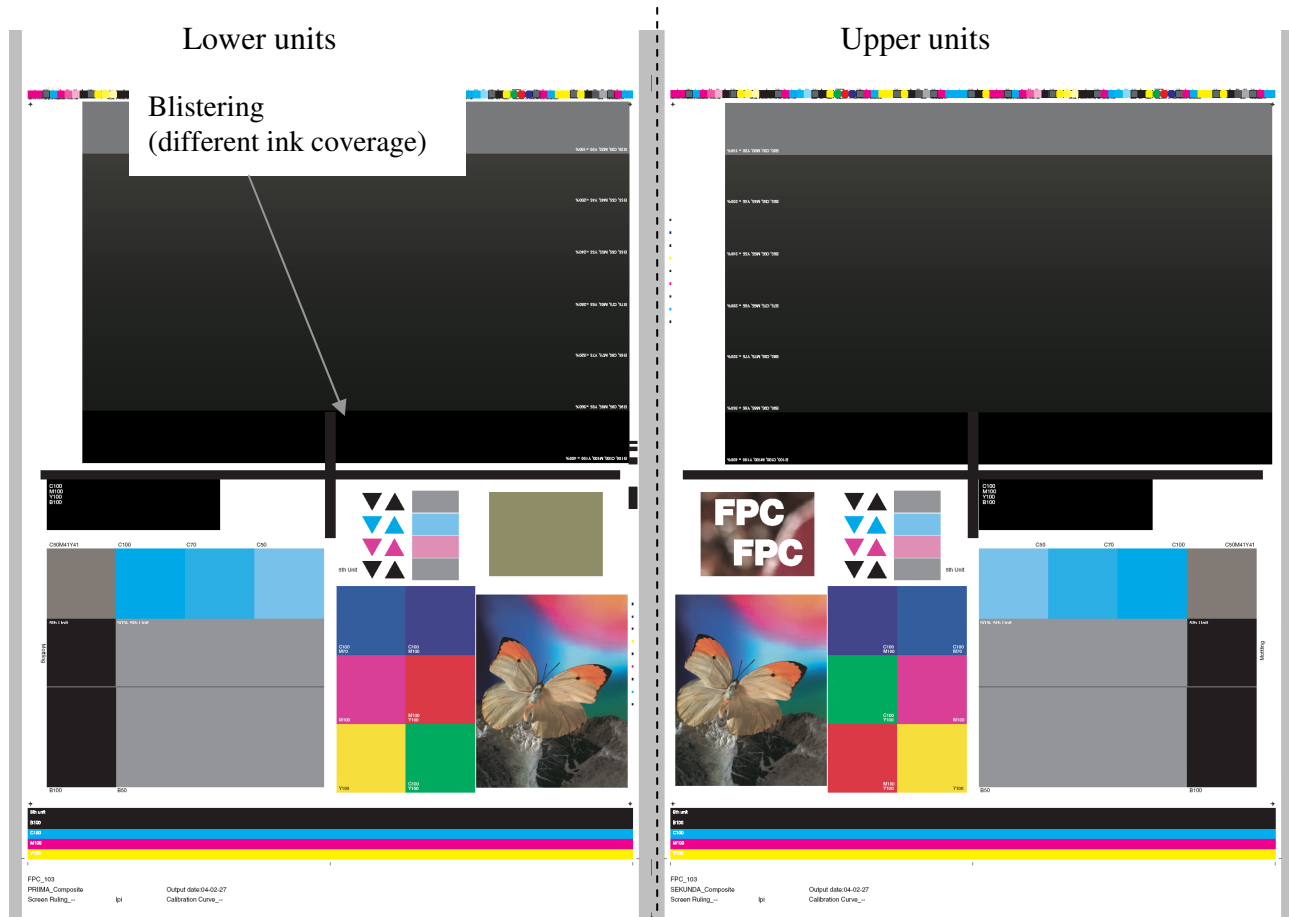
The amount of paper needed for a varnishing study (constant print density) is some 2000 meters per trial point. If the blistering tendency of the paper is to be studied, some 6000 meters per trial point are required. Alternatively 3 identical print rolls can be made, each containing 2000 m/trial point.

From the printed papers the standard print quality properties can be measured. Also the blistering tendency can be evaluated.



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Layout



Amount of paper needed:
2000 m/trial point
(blistering 6000 m/trial point)
Measurements:
- print quality
- evaluation of blistering tendency

