

Fluorescent printing inks

acc. to PANTONE®

Conventional binder systems

The following custom-produced fluorescent printing inks are currently available, close to the PANTONE® Color Guide:

Fluorescent Blue	(PANTONE 801)	43 S 0801
Fluorescent Green	(PANTONE 802)	44 S 0802
Fluorescent Yellow	(PANTONE 803)	41 S 0803
Fluorescent Orange	(PANTONE 804)	42 S 0804
Fluorescent Red	(PANTONE 805)	42 S 0805
Fluorescent Red	(PANTONE 806)	42 S 0806
Fluorescent Violet	(PANTONE 807)	43 S 0807

Application

As a result of their relatively coarse pigments, fluorescent printing inks are not so easily printable as conventional offset inks. The coarser pigment structure may prove troublesome in ink splitting between the plate and the blanket or between the blanket and the printing material, and to achieve the required optical effect it usually requires a second run, which if at all possible should not be wet-on-wet.

These inks are not so well suited to the printing of halftone areas and fine line drawings as the heavy inking required to obtain the required optical effect readily causes the filling-in of fine halftone areas .

The light-fastness of fluorescent printing inks is very poor. It is inadvisable to use them for outdoor posters or equally for printed products that are exposed to intensive light and direct sunlight.

Fluorescent printing inks are not resistant to spirit varnishes or nitro varnishes. Neither do they have alkali resistance (tested acc. to ISO 2836). Therefore it is not recommended to varnish them with dispersion varnish or UV varnish or to use them in conjunction with film laminating.

The range of fluorescent inks is tailored to wet offset processing. The inks can also be used in dry offset and letterpress printing.

General requirements for the packaging of food and semi-luxury goods

Food and semi-luxury goods packaging must not transfer any components to the packed product which

- endanger human health,
- bring about a change in the taste or odour of the packaged goods, or
- bring about a change in the composition or the appearance of the packaged goods.

Therefore sheet-fed offset printing inks used for the production of food and semi-luxury goods packaging must be „low migration“ and must not affect the taste and odour of the packed product.

Fluorescent printing inks acc. PANTONE may release odour-generating by-products during the drying process and is neither low-migration nor low-odour. Oxidative drying standard printing inks like Fluorescent printing inks acc. PANTONE are generally not recommended by member companies of the **hubergroup** for the production of packaging for food and semi-luxury goods. These inks can only be used for this purpose if any transfer of substances from the printed ink film to the packed product (by migration or set-off) as well as a deterioration of the organoleptic properties of the packed product is excluded by suitable packaging design, by appropriate processing conditions and the use of a primary packaging material with sufficient barrier properties.

For further information, please refer to our information sheet „Note regarding the use of standard sheetfed offset printing inks (setting and/or oxidative drying) and standard water-based varnishes for the manufacture of food packaging made of paper and board“

Printing auxiliaries

The inks are press-ready for normal purposes. If it is necessary to reduce the tack when working with stock that is particularly susceptible to picking, we recommend thinning with **Paste Reducer 10 T 9998** or **Linseed Oil/Printing Oil 10 T 1405**.

Classification

Safety data sheet available on request.

How supplied

- 1.0-kg vacuum sealed cans
- 2.5-kg vacuum sealed cans

Contact addresses for advice and further information can be found under www.hubergroup.de

This Technical information sheet reflects the current state of our knowledge. It is designed to inform and advise. We assume no liability for correctness. Modifications may be made in the interest of technical improvement.