



NewV set[®] dayglow fluorescent inks

acc. to PANTONE[®]

The following custom-made dayglow fluorescent inks are currently available, the colour shades in line with the PANTONE[®] colour guide:

NewV set dayglow Fluorescent Inks		
Blue	(PANTONE 801)	801 UE
Green	(PANTONE 802)	802 UE
Yellow	(PANTONE 803)	803 UE
Orange	(PANTONE 804)	804 UE
Red	(PANTONE 805)	805 UE
Red	(PANTONE 806)	806 UE
Violet	(PANTONE 807)	807 UE

Application

As a result of their relatively coarse pigments, dayglow fluorescent 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 substrate, and to obtain the desired 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 filling-in of fine halftone areas. The high film weight of the inks can cause problems when overprinting. We recommend you carry out a printability test prior to beginning the print run.

The light fastness of dayglow fluorescent inks is very poor. It is inadvisable to use them for outdoor posters and equally so for print products that are exposed to intensive light and direct sunlight.

Dayglow fluorescent inks are not resistant to spirit varnishes or nitrocellulose varnishes. Neither do they have alkali fastness (tested acc. to DIN 16524). If the print is to be laminated or finished with a water-based emulsion coating or UV varnish, you should carry out tests prior to beginning the print run.

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

Special instructions

It is inadvisable to use these inks on EPDM roller coverings. These roller materials may swell on contact with the inks, leading to their premature destruction. We recommend you use roller coverings and rubber blankets that are suitable for alternating between conventional and UV processing. **NewV set dayglow fluorescent blue 801 UE** and **NewV set dayglow fluorescent green 802 UE** exhibit an adequate optical effect after just a single impression.



Printing auxiliaries

The inks are always supplied ready to use. The following auxiliaries are available to help you adjust the process inks in exceptional cases:

- **NewV sup Paste Reducer 40 U 1002** (reduces tack)
- **NewV sup Activator Paste 40 U 1003**

For further auxiliaries, see TI 5.12.01 entitled „NewV sup UV printing auxiliaries“.

Note

In some cases, colour shifting occurs when passing the UV curing unit. Thermal papers can become discoloured by dayglow fluorescent inks. For this reason, carry out a test prior to beginning the print run.

Classification

Safety Data Sheet available on request.

Shelf life

At least 12 months when stored under the correct conditions (20°C, protected against heat and light).

How supplied

2.5-kg cans