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## **FLOBRITE fluorescent dyes for printing on polyester**

### **Suggestions for working with fluorescent inks on large format piezo printers**

This procedure is a way of applying fluorescent inks as well as the other usual Subli inks in the ink jet printers. It is based on the use of Photoshop for creating the files and Texprint for printing them out.

#### **Step 1: Creation of a file in Photoshop.**

The file must be created and saved in the CMYK mode. The fluorescent inks have to be treated as "Spot colours," which are added to the usual CMYK separations.

In order to create a separation for the fluorescent inks, go to "Channels > New Spot Channel", name no.1 "Fluo Yellow", no.2 "Fluo Red and no.3 "Blue 824A".

In the Fluo channels, the usual Photoshop tools can be used, meaning that all the usual manipulations are allowed. Take note, however, that the display of a design with spot channels may be noticeably different from the printed and transferred design, especially when fluorescent inks are overprinted.

If you have enough free positions in the printer for all three fluorescent inks, you may print the individual colours alone or, for orange shades, overprint Fluo Yellow and Fluo Red and for green colours overprint Fluo Yellow and Blue 824A.

If you have only two positions free in the printer we suggest you install only Fluo Yellow and Fluo Red. You may print the individual colours alone or, for orange shades, overprint Fluo Yellow and Fluo Red and for green colours overprint Fluo Yellow and the Blue 770 channel. In this case the green shades will be somewhat less vivid than when using Blue 824A and will have a lower stability of shade with fluctuation in the transfer temperature.

When the file comprising the usual CMYK channels, plus the fluo spot channels, is ready, you can save it as Tiff or DCS 2.0 (eps) format.

#### **Step 2: Printing out the file with Texprint**

You can print the file you have created in the same way as your usual files, but take the following remarks into account:

In the printing ink assignment, you have to assign the 1<sup>st</sup>, 2<sup>nd</sup> and/or 3<sup>rd</sup> fluorescent spot colours to the appropriate slots.

For printing, you must select a print environment containing a sufficient number of colour channels. For example, for CMYK + 2 fluorescent spot colours, you should select a 6-colour print environment, and for CMYK + 3 fluorescent spot colours you must select a 7-colour print.

When the file is printed, the 1<sup>st</sup> spot channel in the file is printed with the 1<sup>st</sup> spot colour, the 2<sup>nd</sup> spot channel is printed with the 2<sup>nd</sup> spot colour, etc.

Note that in the previous Texprint versions, the preview does not visualise the spot channels. The newest 9.1 version has been improved in this respect and the spot colours are visualised.

To the best of our knowledge the information contained herein is true and accurate but all recommendations or suggestions are made without guarantee.