PRINTER LINEARIZATION WITH K3 INKS

This document describes the recommended settings to re-linearize Epson printers that use three types of black ink (norm, light and light light). It also gives media recommendations for use with K3 inks, based on the results of tests.

You require the add-on option Color Manager to make the recommended settings.

Settings

Please observe the following general information when relinearizing a printer that uses K3 inks:

- The norm and light black inks are treated as a single channel.
- The light curve, which is editable in LinTool/Color Manager, affects light light black, but not the light black ink.

The following settings are recommended in Color Manager:

Feature	Setting	Comment
Resolution	1440 x 720 dpi	
Dot size	Variable fine	
Light in Solid	Cyan: Default value Magenta: Default value Light black: 0	Setting the light black value to "0" has the effect of reducing the amount of light light black in the darker areas.
Norm starting point	Cyan: Default value Magenta: Default value Black: 30%	If required, you can also set an earlier starting point for Cyan or Magenta.
Dot Gain	The values for Cyan, Magenta, Yellow and Black should be set to "8".	This is important to avoid conturing.

This combination of settings reduces the amount of light ink used, therefore decreasing the amount of liquid applied to the media. This ensures smoother gradations and no contouring.

Media

EFI Remoteproof Paper 9180 Semimatt is one of the most popular in EFI's extensive range of media. It creates an excellent visual impression of color, while also achieving accurate measured color results.

However, recent past experience has shown that, when used in conjunction with UltraChrome K3 inks, the ISOcoated PT1/2 measurement in Magenta is not quite achieved. For this reason, you may like to consider using one of the following EFI print media as an alternative:

- EFI Proof Paper 8180 Semiglossy

- EFI Offset Proof Paper 9200 Semimatt

- EFI Proof Premium Paper 8260 Semiglossy

- EFI Gravure Proof Paper 4245 Semimatt

NOTE: You will find a complete list of EFI media at www.tecco.de.