



HKS® Z inks in 4c reproduction

Printing using Euroscale inks on newsprint

Due to the increasing number of four-high units that have been installed at newspaper printing houses over the past years, there is an ever increasing demand for the HKS® hues to be able to be created using the 4-colour process.

To this end, the HKS® trademark association provides a colour chart that shows how the HKS® Z hues are best implemented in the 4-colour process. The CMYK values are specified for each Z colour.

This HKS® Z colour chart has been standardised and printed with the following parameters on a rotary press:

Paper	Holmen proof paper AZO 52 g/m ²
Paper white (1)	L* = 88.90 a* = 0.23 b* = 3.54
Ink	Euroscale in acc. with DIN 16539
Screen	40 lines/cm
Forme	Offset printing plate, negative platemaking
Colour sequence	Black, Cyan, Magenta, Yellow
Final densities	Black 1.20 Cyan 0.94 Magenta 0.90 Yellow 1.06

However, it is not always possible to achieve the same degree of purity as that of the original HKS® inks. For this reason, different classifications have been defined for the individual hues and assigned to each Z colour:

- * good approximation
- ** not so good an approximation
- *** poor approximation

The colours displayed on the computer monitor are not necessarily identical to the printed colour separations and can therefore not be used for matching purposes. That said, no adjustment should be made to the halftone values because the result in the print image would otherwise be distorted. The hue is, however, influenced by the ink supply, the dot gain and the substrate.

In order to obtain as good a colour match as possible in the production run, we recommend to our customers that they print this colour bar themselves on their own press and under their own conditions. To this end, we would be only too glad to provide, free of charge and in the form of a CD-ROM, the relevant page with which your printer can print their "own" HKS® Z colour chart with your own particular parameters. If you are interested, please don't hesitate to contact us.

The aim of our TI's is to provide our customers with information and advice that is as comprehensive as can be. However, the accuracy of values estimated on the basis of past experience and of laboratory results in all scale production applications depends on a wide variety of factors over which we have no influence. For this reason, we do ask you to understand that the advice we offer cannot be deemed as a basis for claims should the end result not be the one desired.