



ECO SMART

The standard duct fresh sheet-fed offset process series – mineral oil- and cobalt-free

ECO SMART is the standard duct fresh sheet-fed offset process series from **hubergroup**. Highly transparent and pure pigments enable to satisfy the specifications of ISO 2846-1 and ISO 12647-2, as well as a low tonal value spread between the four process colours, supporting a neutral grey balance in the entire tonal range.

Range of applications

ECO SMART designed for printing on absorbent substrates. It is especially capable for high-speed printing on straight presses.

This printing ink series is formulated mineral oil free, but is not of the "low-migration" type. It is not recommended for the manufacture of food packaging.

Properties

ECO SMART		Fastness properties per ISO 12040 / ISO 2836			
		Light BWS	Alcohol	Solvent mixture	Alkali
Yellow	41 ES 250	5	+	+	+
Magenta	42 ES 250	5	+	+	-*
Cyan	43 ES 250	8	+	+	+
Black	49 ES 250	8	+	+	+

*) not suitable for poster printing

- Colour shades in compliance with ISO 2846-1
- Capable for print production according to ISO 12647-2
- High fountain solution tolerance, excellent stability in the production run
- Suitable for IPA-free printing
- Cobalt-free / mineral oil-free

Gloss	low		very high
Rub resistance	moderate		very good
Dot sharpness	low		high
Setting	slow		very rapid
Post print finishing	slow		very rapid
Perfecting	limited		compatible

Printing auxiliaries

ECO SMART process inks are supplied ready to use. Should it become necessary, under exceptional circumstances it may become necessary to adapt the process inks to special printing conditions. The auxiliaries mentioned below are compatible with the highly developed vehicle system:

- for reducing tack with substrates that are susceptible to picking **Print oil – mineral oil-free 10T1405**
- for accelerating oxidative drying **max. 1,5% INK ACTIVE DRIER MGA 10ML5002**

Classification

According to the Ordinance on Hazardous Substances: none

According to the Regulation of Flammable Liquids: none

Material Safety Data Sheet available on request. Please refer to the contact of your local supplier.