

Technical Information

10.P.033 | Conventional Offset Systems | Ink Series, Process Inks

huber group
print solutions

INKREDIBLE®

RAPIDA® ECO

The sheet-fed offset process series for a maximum application profile – mineral oil- and cobalt-free



RAPIDA ECO is the duct fresh, quick-setting sheet-fed offset process series from huber group. Highly transparent and pure pigments enable to satisfy the specifications of ISO 2846-1 and/or 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

Suitable for printing on absorbent substrates, RAPIDA ECO is the ideal process ink series for printers who want to cover a wide range of applications with only one ink series. It is especially capable for high-speed printing on straight and perfecting 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

RAPIDA ECO		Fastness properties per ISO 12040 / ISO 2836			
		Light BWS	Alcohol	Solvent mixture	Alkali
Yellow	41 RPE 250	5	+	+	+
Magenta	42 RPE 250	5	+	+	-*
Cyan	43 RPE 250	8	+	+	+
Black ¹	49 RPE 250	8	+	+	+

1) varnish-solvent fast

*) not suitable for poster printing

- Very versatile application profile
- Facilitates fast work-and-turn and rapid post print finishing
- Suitable for latest high speed printing machines
- Suitable for both straight and perfecting presses
- Good stackability
- Duct fresh
- Colour shades in compliance with ISO 2846-1
- Perfectly fit for print production according to ISO 12647-2
- High fountain solution tolerance, excellent stability in the production run
- Ideally suitable for IPA-free printing
- Cobalt free / mineral oil free
- Recommended for printing according to Nordic Swan, Österreichisches Umweltzeichen and EU-Ecolabel with the use of **RAPIDA ECO SF Magenta 42RPE240**

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

RAPIDA ECO 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 **Ink Oil 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.

Contact addresses for advice and further information can be found under www.hubergroup.com This Technical information sheet reflects the current state of our knowledge. It is designed to inform and advise. We assume no liability for correctness. Modifications may be made in the interest of technical improvement.