

# Technical Information

10.P.008 | Conventional Offset Systems | Ink Series, Process Inks

INKREDIBLE®

## QUICKFAST® COFREE

The quick-drying, rub-resistant, sheet-fed offset process series based on renewable raw materials – mineral oil- and cobalt-free



QUICKFAST COFREE is the very fast drying sheet-fed offset process series from **hubergroup** with high resistance to mechanical stress, for printing on a wide variety of critical substrates. 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.

With our cobalt- and mineral oil-free series we are already accounting for future European aspirations today.

### Range of applications

QUICKFAST COFREE process inks are particularly suitable for jobs on sensitive, absorbent substrates. For printing on film and other non- or poor-absorbent substrates, a pre-test under production conditions needs to be successfully performed.

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

### Properties

QUICKFAST COFREE		Fastness properties per ISO 12040 / ISO 2836			
		Light BWS	Alcohol	Solvent mixture	Alkali
<b>Yellow</b>	<b>41 QF 250</b>	5	+	+	+
<b>Magenta</b>	<b>42 QF 250</b>	5	+	+	-*
<b>Cyan</b>	<b>43 QF 250</b>	8	+	+	+
<b>Black<sup>1</sup></b>	<b>49 QF 250</b>	8	+	+	+
<b>Black<sup>2</sup></b>	<b>49 QF 2501</b>	8	-	-	+

1) varnish-solvent fast

2) alkali blue toned

\*) not suitable for poster printing

- Especially apt for printing on critical paper grades
- Very fast and thorough oxidative drying
- 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
- Recommended for printing according to Nordic Swan
- Certified and recommended for printing according to Cradle-to-Cradle

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

## Printing auxiliaries

QUICKFAST COFREE process inks are supplied ready to use. However, 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**

## 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.