

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
Yellow	41 QF 250	5	+	+	+
Magenta	42 QF 250	5	+	+	-*
Cyan	43 QF 250	8	+	+	+
Black ¹	49 QF 250	8	+	+	+
Black ²	49 QF 2501	8	-	-	+

1) varnish-solvent fast

2) alkali blue toned

*) not suitable for poster printing

While the QUICKFAST QF250 COFREE should be used if uncoated stock has to be finished and made ready in very short periods, QUICKFAST QF260 COFREE is the version with extra convenience in handling. The semi-fresh QUICKFAST QF260 COFREE allows the ink to remain in the ink fountain overnight (sprayed with Antiskin). Washing the rollers is still mandatory when the press is idle.


QUICKFAST COFREE		Fastness properties per ISO 12040 / ISO 2836			
		Light BWS	Alcohol	Solvent mixture	Alkali
Yellow	41 QF 260	5	+	+	+
Magenta	42 QF 260	5	+	+	-*
Cyan	43 QF 260	8	+	+	+
Black¹	49 QF 260	8	+	+	+
Black²	49 QF 2601	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 (independently certified by Fogra)
- 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 Blauer Engel, Nordic Swan, Österreichisches Umweltzeichen and EU-Ecolabel
- Certified and recommended for printing according to Cradle-to-Cradle

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

QUICKFAST COFREE process inks are supplied ready to use. Should it become necessary, under exceptional circumstances, to adapt the process inks to special printing conditions, auxiliaries should be used which are compatible with the highly developed vehicle system:

- for reducing tack with substrates that are susceptible to picking **Ink Oil 10 T 1405**
- fountain solution additive for QF250 **HYDROFIX-B 8013 09/19**

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.