

# Technical Information

10.P.001 | Conventional Offset Systems | Ink Series, Process Inks

INKREDIBLE®

## RESISTA® COFREE

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



RESISTA COFREE is the duct fresh, rub-resistant sheet-fed offset process series from hubergroup. 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

RESISTA COFREE process inks are particularly suitable for jobs on coated papers that demand the best possible degree of rub resistance from the inks used. But also on all other types of absorbent substrates, RESISTA COFREE creates excellent results.

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







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

1) varnish-solvent fast

2) alkali blue toned

\*) not suitable for poster printing

- Good stackability with minimal powder spraying
- 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 Blue Angel, Nordic Swan, Österreichisches Umweltzeichen and EU-Ecolabel
- 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

RESISTA 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 10 T 1405**,
- for accelerating oxidative drying **MONSUN 10 T 7265**.

## 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.