

Technical Information

10.P.020 | Conventional Offset Systems | Ink Series, Process Inks



INKREDIBLE®

RESISTA® cofree

Cobalt-free and mineral oil-free sheet-fed offset process series, based on renewable raw materials

RESISTA cofree is the cobalt-free, duct fresh, rub-resistant sheet-fed offset process series from **huber**group. With our cobalt- and mineral oil-free RESISTA cofree 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 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
Yellow	41 RS 255	5	+	+	+
Magenta	42 RS 255	5	+	+	-*
Cyan	43 RS 255	8	+	+	+
Black¹	49 RS 255	8	+	+	+
Black²	49 RS 2551	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

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

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.