

## ALPHA intense 363 COFREE

The very rich sheet-fed offset process series for high-contrast prints – based on renewable raw materials - mineral oil,- and cobalt free

ALPHA intense 363 COFREE is the highly rub-resistant and high-contrast 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, guaranteeing a neutral grey balance in the production run.

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

### Range of Applications

ALPHA intense 363 COFREE is specifically designed for printing on coated papers and substrates with sensitive surfaces that demand high rub resistance from the inks used. On all other absorbent substrates excellent print results are achieved as well. Thanks to its exceedingly high-contrast performance, ALPHA intense 363 COFREE is particularly suitable for jobs that demand higher optical densities.

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

ALPHA intense 363 COFREE		Fastness properties per ISO 12040 / ISO 2836			
		Light BWS	Alcohol	Solvent mixture	Alkali
Yellow	41 AP 363	5	+	+	+
Magenta	42 AP 363	5	+	+	-*
Cyan	43 AP 363	8	+	+	+
Black <sup>1</sup>	49 AP 363	8	+	+	+
Black <sup>2</sup>	49 AP 3631	8	-	-	+







<sup>1</sup> varnish solvent fast

<sup>2</sup> alkali blue toned

\* not suitable for posters

- Good stackability with minimal powder spraying
- Colour shades in compliance with ISO 2846-1
- mineral oil free
- Exceedingly high-contrast
- Perfectly fit for production according to ISO 12647-2
- High fountain solution tolerance
- Immediate adjustment of a stable ink/water balance
- 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

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

## Auxiliaries

ALPHA intense 363 COFREE process inks are supplied ready to use. Should it become necessary, under exceptional circumstances, to adapt the process inks to special 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**,
- for accelerating oxidative drying **MONSUN 10 T 7265**.

## Safety

According to the Ordinance on Hazardous Substances: none

According to the Ordinance on Flammable Liquids: none

MSDS is available upon request. Please refer to the contact of your local supplier.