



BIO CF Series

EN 71-3:2019
EN 13432:2001

BIO CF series is a semi-fresh sheetfed offset printing ink made of vegetable oils, free of MOSH, MOAH and cobalt salts.

Technical data

		LIGHT (IWS)	ALCOHOL	NITRO	ALKALI	VISOSITY 20°C, Laray, poises	TACK 30° 100 mpm, units
		Fastness properties in accordance with ISO 12040 and ISO 2836					
P000002237	PROCESS YELLOW BIO CF	5	+	+	+	450 - 480	120 - 130
P000002238	PROCESS MAGENTA BIO CF	5	+	+	-	450 - 480	100 - 110
P000002239	PROCESS CYAN BIO CF	8	+	+	+	450 - 480	105 - 115
P000002240	PROCESS BLACK BIO CF	8	+	+	+	400 - 430	110 - 120

Product features

Trapping	■	■	■	■	■	■	■	■	■
Dot sharpness	■	■	■	■	■	■	■	■	■
Setting	■	■	■	■	■	■	■	■	■
Oxidative drying	■	■	■	■	■	■	■	■	■
Gloss	■	■	■	■	■	■	■	■	■
Rub resistance	■	■	■	■	■	■	■	■	■
Rapid further processing	■	■	■	■	■	■	■	■	■

Values from 1 (lower range) to 7 (highest range)

Printing behaviour

- Suitable for high-speed printing.
- Suitable for all types of dampening solutions.
- Excellent water-ink balance.
- Suitable for perfecting.
- Fresh in the ink duct.
- Application: edition, commercial and packaging.
- In accordance with ISO 12647-2.





Recommendations:

- **Cleaning:** it is recommended to clean the rollers at long stops as well as to apply an anti-skin spray in the ink duct.
- **Storage:** Store at temperatures between 20-25 °C. Avoid the direct exposure to light and heat sources. Once the can has been opened, it is recommended to add an anti-drier layer in order to avoid the skin appearance. A well-conditioned and clean work environment ease the good behaviour of all the components during the printing process.

BIO CF series does not have expiry date at short or medium term.

Regulatory

- This range accomplishes with EuPIA exclusion list for printing inks and related products, as well as with the heavy metals' limits laid down in the Directive 94/62/EC
- BIO CF can be employed in print outs in accordance with the Toy Safety standard EN71-3:2019. Such conformity has been certified by the Spanish Technological Institute for Children's Products and Leisure (AIJU), test number: L/0076113-1
- It can be also employed for printing compostable print outs in conditions of industrial composting. Each colour could be employed at a 0.867% of dry weight of the total compostable print out according to UNE-EN 13432:2001.

BIO CF series is an exclusive design of the R&D&i Department of MARTINEZ AYALA, S.A.

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Martínez Ayala's knowledge and belief. No liability for any errors, facts or opinions will be accepted. Customers must verify and test by themselves the suitability of this product for their application. No liability for any loss as a result of any person placing reliance on any material contained herein will be accepted.