

REFLECTA® DRY 5070

Inks for water-free offset printing

REFLECTA® DRY 5070 was designed specifically for printing with the water-free offset method. We recommend the process inks listed below fo:

REFLECTA®-DRY 5070		Fastness characteristics per ISO 2836/12 040			
		Light WS	Alcohol	Solvent mixture	Alkali
Yellow	41 F 5070	5	+	+	+
Magenta	42 F 5070	5	+	+	-
Cyan	43 F 5070	8	+	+	+
Black	49 F 5070	8	-	-	+

F = stay-fresh formulation

These inks are in stock and available immediately in quantities of 1 kg and up. Spot inks based on this ink vehicle are also available in minimum quantities of 20 kg per shade.

Principal characteristics

- Normal tack
- Compact consistency
- High dot sharpness
- Dries rapidly by oxidation
- Average absorption characteristics
- High gloss
- Good rub resistance
- „Stay-fresh“ characteristics.

Applications

Because of its processing characteristics, REFLECTA® DRY 5070 produces excellent contrast and low tonal value gain on pick resistant, coated stocks. We recommend printing with these inks as supplied. Ink duct temperature must be controlled to prevent heating during printing, which may cause („toning“). Noncontact plate cooling has proven to be even more effective. Because of the printing difficulties („toning“) that can occur, low-tack or soft ink formulations are not available.

General requirements for the packaging of food and semi-luxury goods

Food and semi-luxury goods packaging must not transfer any components to the packed product which

- endanger human health,
- bring about a change in the taste or odour of the packaged goods, or
- bring about a change in the composition or the appearance of the packaged goods.

Therefore sheet-fed offset printing inks used for the production of food and semi-luxury goods packaging must be „low migration“ and must not affect the taste and odour of the packed product.

The oxidative drying ink REFLECTA® DRY 5070 may release odour-generating by-products during the drying process and is neither low-migration nor low-odour. Oxidative drying standard printing inks like REFLECTA® DRY 5070 are generally not recommended by member companies of the **hubergroup** for the production of packaging for food and semi-luxury goods. These inks can only be used for this purpose if any transfer of substances from the printed ink film to the packed product (by migration or set-off) as well as a deterioration of the organoleptic properties of the packed product is excluded by suitable packaging design, by appropriate processing conditions and the use of a primary packaging material with sufficient barrier properties.

For further information, please refer to our information sheet „Note regarding the use of standard sheetfed offset printing inks (setting and/or oxidative drying) and standard water-based varnishes for the manufacture of food packaging made of paper and board“.

Printing auxiliaries

If these process inks need to be adapted, in exceptional cases, to particular printing conditions, use **Thixoprint 10 T 0256** (max. 3 %) to regulate tack and **Transparent White 50 0840/21** to lighten or darken. To prevent any toning problems, add **Antitone 52 0310** (max. 2 %) to the ink.

Labelling

Safety data sheet available on request.

How supplied

- 1.0-kg vaccum tins
- 2.5-kg vaccum tins
- 200.0-kg drum

Contact addresses for advice and further information can be found under www.hubergroup.de

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.