

PANTONE® OPTIMA V

Basic inks for sheetfed conventional offset



Performances

- Formulated without mineral oil ^(a)
- Overnight vegetable oil based formulation
- Good color strength
- No loss of intensity with drying
- Quick setting
- Good Rub resistance

a) The presence, however, of traces of this substance in the product coming from raw material impurities, from the process or as adventitious contaminant cannot be excluded

Substrates

Non coated	**	
Matt coated	***	
Gloss coated	***	
Lightweight paper	***	*** Perfectly suitable
Cardboard	***	**Suitable
Non absorbent substrates ⁽¹⁾	*	* Test necessary,
Synthetic substrates ⁽²⁾	▲	▲□ Not suitable

(1) tracing paper, chromo coated, colored
(2) Synthetics (PE, PP, PET, PVC)

Packaging

1 kg tins

Pantone® OPTIMA V

		Fastness		
		Light ISO 2835	Alcohol ISO 2837	Alkali ISO 2838
Yellow Pantone® OPTIMA V		5	+	+
Yellow 012 Pantone® OPTIMA V		5	+	+
Orange 021 Pantone® OPTIMA V		5	+	+
Warm Red Pantone® OPTIMA V		3	+	-
Red 032 Pantone® OPTIMA V		6	+	+
Rubine Red Pantone® OPTIMA V		5	+	-
Rhodamine Pantone® OPTIMA V		4	-	-
Purple Pantone® OPTIMA V		4	-	-
Violet Pantone® OPTIMA V		4	-	-
Blue 072 Pantone® OPTIMA V		4	-	-
Reflex Blue Pantone® OPTIMA V		3	-	-
Process Blue Pantone® OPTIMA V		8	+	+
Green Pantone® OPTIMA V		8	+	+
Mixing Black Pantone® OPTIMA V		8	+	+
Transparent White Pantone® OPTIMA V		•	•	•
Light fast inks				
Warm Red LF OPTIMA V		5	+	+
Rhodamine LF OPTIMA V		7	+	+
Purple LF OPTIMA V		7	+	+
Violet LF OPTIMA V		4	-	-
Blue 072 LF OPTIMA V		8	+	+
Reflex Blue LF OPTIMA V		8	+	+
Others				
Opaque White OPTIMA V		•	•	•
Spot Colours inks on request				

Recommendations

- **Not suitable for foodstuff, pharmaceutical and cosmetic packaging, without functional barrier. In this case, used Natura V inks.**
- Prints can be wet-on-wet or wet-on-dry varnished with conventional offset or acrylic varnishes adapted to the substrate^(b).
- Prints may be laminated or UV and nitrocellulose varnished after drying^{(b)(c)}.
 - Recommended drying time before laminating or varnishing: 24 to 48h.
- Series compatible with infrared (I.R.) drying: maximum stack temperature: 35°C on top and 35°C on reverse side. IR drying not recommended in case of UV varnishing
- Series compatible with both alcohol and alcohol free fountain solutions.
- To speed up drying, possibility to add drier Cd 66 to the ink (0.5 % maximum). Be careful, this will reduce ink duct freshness of the ink.
- Recommended use within 24 months following date of manufacture for the non-opened tins, stored at temperature between 5°C and 35°C. Beyond this period, it is recommended to check the body of the inks and possible presence of skin.

^(b) It is recommended to carry on a test beforehand

^(c) Lamination or Acrylic, UV and Nitrocellulosic varnishes are prohibited on the following Optima V Pantone® inks : Rhodamine, Purple, Violet, Blue 072 and Reflex Blue. Use lightfast Optima V inks.

Chemical products could be harmful. Consult MSDS and respect usage guidelines

Information and recommendations hereby mentioned are based on our practical experience and on analyses results obtained in specific laboratory conditions. Due to the variety of applications and conditions of use, they are communicated as indications and cannot be considered as any guarantee.