



OFFSET INK SERIES

PROPERTIES

The offset ink series is a paste type ink that is used in conjunction with offset printing presses, typically used for lithographic printing or letterpress. The ink is highly pigmented and may be used for a variety of uses, including wet-on-wet printing, halftone printing, and solid printing. It is used straight from the can with no additives or reducers required.

PRODUCT RANGE*

Product Name	Product Code	Product Name	Product Code
CMYK Blue	OFB - 3333	Bright Red	OFI - 301
CMYK Black	OFK - 4444	Dark Red	OFI - 302
CMYK Magenta	OFR - 2222	Blue	OFI - 400
CMYK Yellow	OFY - 1111	Violet	OFI - 402
White	OFI - 100	Black	OFI - 500
Lemon Yellow	OFI - 201	Orange	OFI - 700
Yellow 34	OFI - 203	Green	OFI - 800
Magenta	OFI - 300		

* The colors listed are the basic ink shades only. Customized colors may be provided upon request.

APPLICATION AND COMPATIBLE MATERIALS

Offset ink is used for lithographic printing and is typically used for printing brochures, business forms, books, etc. The offset printer is composed of two areas, the printing area and the non-printing area. It has an inking system, which supplies the ink into the image area by rollers, and a dampening system, which supplies water and the fountain solution into the plate. The dampening solution is typically a mixture of fresh water, additives, and/or alcohol.

Offset ink with higher tack dries mostly through oxidation and less through absorption. Hence, special attention must be given to the drying to prevent problems in the printed pile. The ink is highly pigmented, so testing may be first done to determine optimum inking.

Furthermore, to ensure a more accurate dot reproduction, high quality art paper, good illustration paper, or matte-coated paper may be used.

STORAGE

Offset ink must be stored in a dry and well-maintained environment, with the temperature not exceeding 25 to 30 degrees Celsius. The product has a guaranteed shelf-life of up to 12 months from the date of manufacture, considering it remains undiluted in its original container.

HEALTH AND SAFETY

The product is considered non-hazardous when used in a safe working environment, following proper handling protocols and having a well-ventilated working area. For safety, ensure that the guidelines given in the Materials Safety Data Sheet (MSDS) is followed.

WARNING

The manufacturer, Perma Colour Inc., guarantees the quality of the product. All the stated information is given in good faith. The technical instructions given may serve as a guide, but the company does not guarantee nor promise specific results. The obtained results vary on other factors, including the operator's procedures and handling of the product. The company's responsibility is limited solely to the exchange of the ink or varnish product. Furthermore, in the use of the product for substrates not mentioned in this guide, it is recommended to conduct small-scale testing before mass production to ensure the compatibility of the ink.