



ROTO GRAVURE INK SERIES

PROPERTIES

The roto gravure ink series is typically used for long run, high quality printing. Gravure inks are fluid inks with low viscosity that are specifically designed for printing using gravure cylinders. This type of ink is often used for treated PE films or on treated COEX film. It can also be used for untreated plastic films.

PRODUCT RANGE*

Product Name	Product Code	Product Name	Product Code
Roto Surface Blue	RSB - 400	Roto Surface Yellow	RSY - 201
Roto Surface Violet Base	RSB - 401	Roto Surface Reddish Yellow	RSY - 202
Roto Surface Black	RSK - 500	Untreated Surface White Base	UNS - 100
Roto Surface Green	RSN - 800	Untreated Reddish Yellow Base	UNS - 200
Roto Surface Orange	RSO - 700	Untreated Surface Yellow Base	UNS - 201
Roto Surface Carmine Red	RSR - 300	Untreated Yellow 83 Base	UNS - 202
Roto Surface Red	RSR - 301	Untreated Surface Yellow (Outdoor)	UNS - 203
Roto Surface DK Red	RSR - 302	Untreated Surface Carmine Base	UNS - 300
Roto Surface Extender Varnish	RSV - 000	Untreated Surface Blue Base	UNS - 400

Roto Surface White	RSW - 100	Untreated Surface Black Base	UNS - 500
Roto Surface Opaque Reddish Yellow	RSY - 200	Untreated Surface Extender Varnish	UNV - 000

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

APPLICATION AND COMPATIBLE MATERIALS

Roto Gravure inks are used in transparent and opaque treated polyethylene materials and also treated coex films, but it may also be used for untreated plastic films. This ink is typically reduced by toluene at a 70:30 ratio, or isopropyl alcohol for high speed printing with a minimum of 150 m/min.

To use the ink, reduce the ink to a viscosity of 16 to 18 seconds using Zahn Cup #3 Rigosha or Zahn Cup #2 of China made Zahn Cup. Surface varnish can be added to adjust the color of the ink during printing or during preparation prior to printing.

Leftover ink must be filtered to remove unnecessary dust or dirt that may have gathered during printing before storing it in a tightly closed container. To reuse leftover ink, a recommended ratio of 70:30 fresh ink to leftover ink should be followed to avoid printing problems.

Important Reminder: Ink reducer can be adjusted according to the needs of the customer based on the set-up of the machine.

STORAGE

Roto Gravure 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 6 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.