

Technical Data Sheet

RG Series

Technical Information

RG Series (NC /PU) Rotogravure Printing Inks
designed for reverse printing and lamination applications

Application Type:

Rotogravure printing

Substrates:

BOPP, Pearlized OPP film (min 38 dyn/cm), PET, Aluminum foil, Metalized OPP (with primary), Paper and Board

Properties:

Excellent gloss □ Excellent printability

Low solvent retention

Heat resistance to 150 - 160 °C

Appropriate for lamination applications with solvent based or solvent less adhesives

Appropriate for reverse printing.

Recommended Use:

Solvent

Ethyl Acetate

Ethyl acetate: ethanol (1:1) mixture

It depend on the printing speed.

Retarder: Methoxy Propanol or Ethoxy Propanol (For lamination applications retarder ratios must be arranged carefully, otherwise de-lamination could occur)

Varnish:

RG 001 Varnish is used as a color lightener with the **RG** Series.

Additional Information:

*Press Speed

RG Series: may be printed at speeds of 250 to 400 m/min using the appropriate reducers Printing Viscosities Inks must thoroughly be stirred and homogeneous before reducing with solvent. The optimum printing viscosity depends on press and running conditions (13-15 sec/cup4 at temp. 25).

*Substrate to be printed needs to have a corona treatment of min 38 dyn/cm. Since the RG Series is designed for reverse printing and lamination applications, it has no scratch and rub resistant.

-**Adhesion promoter** added to the ink about % 3-5 ratio to increase heat and adhesion resistance. By adding % 1 ratio of **anti-scratch** could give scratch and rub resistance to the ink and could be used for surface printing applications.

Anti-scratch added inks **cannot** be used for Lamination Applications.

* **Colour range: WHITE and CMYK** for this ink series

Other colours can be determined from the Pantone or according to customer sample.

Stir ink in a homogenous manner before use.

Do not mix any other series of inks.

Store inks in 20-25°C conditions to avoid discoloration and viscosity problems.

, since they are kept in a dry area at room temperature.

Sealed drums are under guarantee for 12 months after production date

With the supply of any item of (**RG SERIES**), a statement of all tests shall be issued

The ink is not intended to direct food contact.

The performance of the product and its suitability for the customers' purpose depend on the particular conditions of use and materials being printed

. Therefore, any statement provided in this document should not be construed as providing a guarantee of performance in a specific application area. ELNOUR CO. always recommends that customers carry out a full evaluation of performance and safety-in-use prior to using our products in commercial Applications.

Please contact with Elnour representative for full technical evaluation of your application or process.