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# Technical Data Sheet

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## RM Series

### Technical Information

**R M Series** Rotogravure Printing Inks based on nitrocellulose and polyurethane (NC/PU).

**R M designed** for reverse printing and lamination applications

### Application Type:

Rotogravure printing mono solvent (ethyl acetate).

For recovery system.

### Substrates:

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

### 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.

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

### Additional Information:

\*Press Speed RM Series: - may be printed at speeds of 250 to 350m/min using the Ethyl acetate

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 RM1 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.

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

**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.

Sealed drums are under guarantee for 12 months after production date since they are kept in a dry area at room temperature.

**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 elnuor representative for full technical evaluation of your application or process.**