

TECHNICAL DATA SHEET

VARNISHES – WATERBASED FLEXO

DESCRIPTION A range of waterbased varnishes for general purpose use including labels and packaging. Offering fast drying speed and good resistance properties.

PROPERTIES Fast drying
Low viscosity
Good chemical and product resistance
Good water resistance
Good adhesion

Optimal cure and resistance properties will be seen 24-48 hours after printing.

Pigment dependent (please see range below for details), Pulse Roll Label AL series varnishes have been formulated to comply with Food Packaging Legislation, Regulation (EC) No 1935/2004. Please see <http://www.eupia.org/index.php?id=29>: -

'Food Packaging Inks and Swiss Ordinance on Food Contact Materials and Articles - Questions & Answers - Version 8'.

'Information Leaflet: Printing Inks for Food Packaging'. The raw materials are selected in accordance with the *'EuPIA Guideline on Printing Inks Applied to the Non-Food Contact Surface of Food Packaging Materials and Articles'.*

To achieve compliance it will be necessary to carry out a suitable evaluation. Please contact Pulse Roll Label for advice on this evaluation process. It must also be remembered that the manufacturer of the packaging and the filler are responsible for the properties of the food packaging and its compliance with legal requirements. ***The packaging ink suppliers are not able to issue certificates or declarations of compliance which cover the legal responsibility of others in packaging chain.***

Note: It is important to note that the EuPIA Guideline recognises that the requirements are challenging and that there will be a need for a Continuous Improvement Strategy to control the potential migrants from packaging inks. It is envisaged that a significant period of time will be required in order to test, and where the required limits are not achieved, to generate an action plan that sets out a programme to ensure compliance within an agreed and manageable timescale.

In short, it is likely that testing will highlight issues that need to be resolved, necessitating a programme of improvement and ***retesting*** until compliance is achieved.

To achieve repeatable results for levels of migration it is necessary to print under controlled, repeatable conditions. Keep records of all print variables, batch numbers etc, as outlined in the document *'Good Manufacturing Practices for the Production of Packaging Inks formulated for use on the Non-Food surfaces of Food Packaging and Articles Intended to Come into Contact with food'.*



SUBSTRATES Coated paper and board
Top coated thermal paper
Treated/primed polyethylene
Treated/primed polypropylene
Aluminium foils
Polyester, PVC

Other materials after testing. Please ask our laboratory, and/or send material samples, for more detailed advice and recommendations.

APPLICATION **Stir well before use**

Rollers EPDM, minimum dryer temp 50⁰C with good air flow

WB Flexo:

Anilox 100-140 l/cm, anilox volume 6-10 cm³/m²

STORAGE & HANDLING

Store at temperatures between 5⁰C and 25⁰C.

Protect from sunlight and frost.

In unopened containers, these items have a shelf life of 12 months.

RANGE

	Range
<u>Waterbased Flexo Varnishes</u>	
Gloss Foil Blockable	AL300
Matt Foil Blockable	AL527

Please see separate data sheets for our range of special water-based flexo varnishes, such as for blister and heat sealing, and increased resistance to heat, grease, alcohol etc.

AUXILIARY PRODUCTS

RLA394 Flexwash Aqua III Waterbased Wash-up

DISCLAIMER

The information contained in this data sheet is correct to the best of our knowledge. It is intended as a guide only for the optimum use of the named product(s) and is not intended as a warranty or as a specification. This datasheet may not be suitable for combinations with other materials or in processes other than those specifically described. The user should always make their own tests to establish that the product(s) meets their requirements.