

INKTECH

INNOVATION IN INK

PACKAGING INK SPECIALISTS

ALTO

WATER-BASED INK SYSTEM

Technical Data Sheet

INKTECH Ltd

Crawford Street
Rochdale, Lancashire
OL16 5NU, United Kingdom
sales@inktechinnovation.co.uk
+44 (0) 1706 868844

INKTECH B.V.

Minosstraat 19,
Tilburg
5048 CK, The Netherlands
sales@inktechbv.nl
+31 137370035

ALTO is a high performance water-based ink for surface printing on PE, PP, PET, treated and coated films.

ADVANTAGES:

- Designed for long press runs with minimal adjustments and press side maintenance.
- Gives excellent colour value with easy clean-up and re-solubility.
- Available from stock in a pantone range of colours the ink is supplied neat and can be diluted with tap water to obtain the desired press viscosity.
- The ink provides good scuff and rub resistance.
- Low Foaming.
- Good adhesion to tapes, scuff, scratch and water resistance

PRODUCT BENEFITS AND SUITABILITY:

- Anilox / Doctor blades - A wide range of anilox rollers with varying line count/volume can be used with doctor blade, chambered or fountain roller units.
- Maximum airflow is required on press.
- Plates - All types of rubber and photopolymer may be used.
- The viscosity has to be adjusted to suit the speed of the press. Typical visco for Flexo is 25 – 28 sec in Zahn 2.
- Press speeds between 25 and 250M/min are usual dependent on substrate and press drying and extraction capabilities.
- Polyolefin substrates require corona treatment in line for best printability and adhesion.

STORAGE:

15°C ← → 30°C

- Shelf life is 12 months, when properly stored at temperatures between +15°C and +30°C.

DRYING:

Care must be taken to fully dry the ink with heat, as insufficient drying may lead to residual water, causing offset to the food contact side of the film, or lead to migration into the food. Reduced press speeds are recommended to help aid the drying of the ink.

ADDITIVE REQUIREMENTS:

Usually not required except with some metallic films (see technical sales rep).

DILUTION:

Normal for flexo	Water
Fast Thinner	5:1 Water/Iso Propanol
Retarder	Glycol Ether

HANDLING:

Store inks and use them in a warm place during winter, at temperatures not below 15°C. If storage temperature is below 15°C, the ink may thicken a little. In this case bring inks back to room temperature before using.

- The Alto ink series is gel free.
- Please refer to the Safety data sheets (SDS) before using.
- Always use in well ventilated areas.
- Keep inks in original containers to avoid contamination.
- Wear protective gloves, clothing and safety glasses.
- Stir well before use.
- Seal tight containers after use.
- Approximately 35% -45% solids but each product/blend will vary.
- Printing viscosity 25-28 sec Zahn #2.
- Suitable for fountain roller or chambered unit flexography.

TECHNICAL ASSISTANCE:

- Our experienced laboratory technicians provide innovative technical solutions to ink developments and if necessary, will customise formulations to your specific requirements, ensuring the optimum outcome for you.
- The team also supply free pantone matching support if you require any colour please call/email and we will be happy to send a formulation for mixing.
- All colours are matched using the latest X-RITE PANTONE software and spectrophotometers.
- Colour gambit limitations can be encountered due to only having the four colour CYMK range.

WASTE DISPOSAL:

Care should be exercised in the disposal of printing ink waste. This should be carried out in accordance with local waste regulations. Refer also to SDS.

Inks are not suitable for direct food contact. For more information about food contact status and product regulatory compliance please refer to our General Regulatory Statement.

CONTACTS:

Technical

technical@inktechinnovation.co.uk

Sales

sales@inktechinnovation.co.uk

01706 868844

www.inktechinnovation.co.uk



INKTECH LIMITED

Crawford Street
Rochdale, Lancashire
OL16 5NU, United Kingdom

INKTECH B.V.

Minosstraat 19,
Tilburg
5048 CK, The Netherlands

DISCLAIMER: March 2025. This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the conditions of use and the material being printed. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. Since we cannot anticipate or control the conditions under which our products are used it is not possible to guarantee their performance. All sales are subject to our standard terms and conditions of sale. We would point out that the information contained in this leaflet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. INKTECH's products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.