

HI-SPEC INKS

TECHNICAL DATA SHEET

GENERAL:

HI-SPEC are a range of solvent-based flexographic inks for surface printing. They are formulated to impart excellent adhesion to polyolefin films esp. PE and OPP. Typical applications include carrier bags and PE sacks. HI-SPEC inks are available as finished products or as a base scheme.

PRODUCT FEATURES:

- Excellent adhesion to the substrate.
- Excellent rub, scratch and scuff resistance.
- High gloss
- Suitable to run at a variety of press speeds 50-250mpm.
- Excellent release and non-blocking.
- Low odour, low migratables and low solvent retention.
- Monomeric plasticiser free.

PRODUCT BENEFITS:

- Designed for long press runs with minimal adjustments and press side maintenance giving excellent colour value with easy clean-up and re-solubility.
- Available from stock in a range of colours. Also available as a Tech Varnish for Base Scheme customers. The ink is supplied neat and can be diluted with suitable thinners/medium to obtain the desired press viscosity and strength.

PRODUCT COMPATABILITY:

Fully compatible with ENDURANCE and HORIZON range inks only.

DILUTION AND WASH-UP:

Standard:	3:1 Ethanol / Normal Propyl Acetate
Fast Thinner:	3:1 Ethanol / Ethyl Acetate
Retarder:	Ethoxy Propanol

GENERAL HANDLING AND STORAGE:

HI-SPEC are classed as highly flammable. Suitable precautions should be observed to avoid ignition sources.

Temperature of storage: from 10°C to 35°C
Shelf life: 12 months (under above conditions)

END-USE PRECAUTIONS:

Acceptable technical performance of HI-SPEC is dependent on control of standard industry variables, some of which are:

- Control of film weight and viscosities
- Correct backing-white where applicable
- Adequate drying on press
- Adequate film treatment / type
- Control of any migratable substances within the print, film or adhesives

Choice and control of film weight, drying conditions, substrate and backing white are technical requirements for which the Inktech Technical and Technical Sales team can provide assistance in the form of suggestions or support.

FOOD PACKAGING:

It is the ultimate responsibility of the food packaging supply chain to ensure packaged food is safe. With regard to potential migration of substances into food from the printed packaging, it is the responsibility of the printer/converter and food packager to ensure that no such migration occurs beyond permitted regulatory levels.

To fulfill its responsibility within the supply chain Inktech will provide details to the customer of potential migratable components, where present in its inks, through the preparation and communication of a 'Statement of Composition' (available on request).

DISCLAIMERS:

HI-SPEC is not intended for direct food contact applications.

The list of applications, substrates and processes provided in this document is not exhaustive. Please contact Inktech's technical department for full evaluation of your application or process.

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. Inktech always recommends that customers carry out a full evaluation of performance and safety-in-use prior to using our products in a commercial application.

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