

INKTECH

INNOVATION IN INK

PACKAGING INK SPECIALISTS

MULTI-LAM WHITE

SOLVENT-BASED INK SYSTEM

Technical Data Sheet

INKTECH Ltd

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MULTI-LAM WHITE is a solvent-based lamination ink designed for flexographic printing onto a variety of the most commonly used substrates. The ink exhibits good off-press adhesion to most films (OPP adhesion after 24hrs) and good lamination bonds of the printed web to a polyolefin secondary web with solvent-free adhesive.

ADVANTAGES:

- Good lamination bonds on various substrates at 100% and 200% coverage.
- Excellent printability.
- Low levels of retained solvent when printed.
- Reducible with standard press-side thinners and solvents.
- Excellent compatibility with Inktech's other ink systems (Nitrocellulose and Polyurethane based)

PRODUCT BENEFITS:

- Versatile product: reduces the number of ink systems required in stock.
- Reduced press set-up times.
- Eliminates potential for using incorrect ink for a given print job.
- Excellent storage stability.

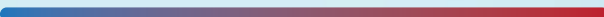
PRODUCT SUITABILITY:

MULTI-LAM WHITE is suitable for the following substrate combinations:

Primary web	Secondary web
Corona treated PET	Polyethylene
AlOx Coated PET	Polyethylene
PVdC coated PET	Polyethylene
Treated OPP	Metallised OPP Treated OPP Polyethylene

GENERAL HANDLING AND STORAGE:

MULTI-LAM WHITE inks are classed as highly flammable. Suitable precautions should be observed to avoid ignition sources.

5°C  35°C

Shelf life: 12 months (under above conditions)

PRINTING CONDITIONS:

PRINTING VISCOSITIES

Inks must be thoroughly stirred and homogeneous before reducing with solvent. The optimum printing viscosity depends on press and running conditions. Good results have been achieved with MULTI-LAM WHITE inks at the following viscosities:

Flexo: 20 – 28 sec (Zahn cup # 2)

REDUCING SOLVENTS

Fast:	TSDA / Ethyl Acetate MIX 80:20
Normal:	TSDA / N.P. Acetate MIX 80:20
Retarder:	Ethoxypropanol or Dowanol

WASH UP SOLVENTS

Standard wash up solvents can be used e.g. Alcohol / Ester blends.

CYLINDERS / PLATES

MULTI-LAM WHITE inks are suitable for all types of anilox and cylinders (both chemical and mechanically engraved) and most commercially available standard plate types.

LAMINATION ADHESIVES:

MULTI-LAM WHITE printed films should be laminated with Pure-Flex 946/C45 from AkzoNobel. The actual bond strengths achieved will depend greatly on the choice of substrate and applied film weights of both inks and adhesive. Therefore, it is recommended that rigorous tests are carried out before commencing any commercial trials. Inktech can provide assistance to confirm suitability however it is recommended that all ink / substrate / adhesive combinations are tested and are considered fit for purpose both before starting and during each print-run. The laminates should be allowed to cure as per recommendations by the adhesive manufacturer.

END-USE PRECAUTIONS:

Acceptable technical performance of MULTI-LAM WHITE is dependent on control of industry standard variables, some of which are:

- Control of film weight (inks and adhesives)
- Adequate drying on press
- Correct laminate structure
- Control of any migratable substances within the print, film or adhesives
- Suitable adhesive used in accordance with supplier recommendations

Choice and control of film weight, drying conditions, substrate and adhesives 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).

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:

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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.