

INKTECH

INNOVATION IN INK

PACKAGING INK SPECIALISTS

CAP COLOURS

SOLVENT-BASED INK SYSTEM

Technical Data Sheet

INKTECH Ltd

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CAP COLOURS are highly pigmented inks formulated for printing onto MOPP and similar packaging applications. They have been specifically developed to be the ideal choice for Gravure printing of tear strip applications, particularly in a multi-ply laminate structure. **CAP COLOURS** do not contain pigments based on heavy metals.

ADVANTAGES:

- Non migratory.
- Excellent gloss.
- Excellent printability.
- Excellent tape adhesion on standard substrates.
- Very good scuff resistance.
- Low odour and solvent retention.
- High Strength.
- Excellent rheology.
- Clean Printing.

RECOMMENDATIONS FOR USAGE:

CAP COLOURS are used for printing onto MOPP / BOPP type substrates which require a good level of adhesion.

SUBSTRATES:

CAP inks are recommended for corona/plasma treated/Acrylic coated films, when printed on to white ink or direct to the substrate. CAP inks can also be used in a reverse print application and backed with a suitable white.

PRINTING PRESSES:

CAP inks are suitable for direct / offset Gravure presses equipped with all types of cylinder and etch.

PRESS SPEED:

CAP inks may be printed at speeds of 100 to over 400 mpm dependent upon press drying capabilities and the solvent blend used for reduction.

PREPARATION:

The ink has to be at a minimum temperature of 15°C and should be reduced to obtain the required press viscosity. The mix has to be homogeneous to guarantee the required result and therefore it should be stirred before use.

DILUTION:

Normal for gravure	Ethyl Acetate / Ethanol
Slow for gravure	Normal Propyl Acetate / Ethanol

VISCOSITY:

The viscosity has to be adjusted to the required printing viscosity:
Zahn cup N°216 – 20 sec.

DRY RESIDUAL:

Approximately 25 - 32% solids but each product/blend will vary.

WASH-UP:

Use standard press wash-up solvents.

RESISTANCE PROPERTIES:

The pigments used in CAP inks are not necessarily fully resistant to all post printing conditions that may be encountered. It is therefore necessary to indicate the resistance required at the time of ordering.

WASTE DISPOSAL:

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

HEALTH AND SAFETY:

Full details appear on the Product Safety Data Sheet issued with product supply.

COLOUR RANGE:

CAP COLOURS are available in a wide range of colours only occasionally being limited by selecting pigments suited to particular specification requirements. Pigments have reasonable lighthfastness but may not be suited to extended exposure to direct sunlight. If this property is required, it should be stated at the time of ordering and appropriate pigments will be utilised to meet the need.

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.

STORAGE:

Inks have to be stored in normal conditions outside the printing shop at a temperature of 10 to 30°C. The normal shelf life of pigmented solvent based inks is 12 months and that of special inks (metallic's) about 3 months.



PACKAGING:

CAP COLOURS are typically supplied in 20kg metal buckets or 200LTR drums, however Inktech will accommodate bespoke packaging requirements. This can be arranged via our technical service personnel.

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.