



Linx Inks for Plastic Substrates

Linx inks for plastic substrates deliver excellent adhesion to a wide variety of plastic substrates such as polyethylene (PE), polypropylene (PP) and other substrates typically regarded as being hard for CIJ inks to adhere to, such as polyvinyl chloride (PVC) and nylon.

Three unique ink formulations use a variety of specialist materials to form inks that combine tough but flexible codes with different combinations of excellent light-fastness, heat tolerance and a wide range of chemical resistances – including acid, alkali, petrol and alcohol. These qualities make them ideal for applications such as cabling,

plastic extrusions and mouldings and many of the packaging materials used in the food and beverages industry, including flow wrap, caps, closures, blister packs and bottles.

Formulated using fast-drying solvents (typically 1-2 seconds drying time), Linx inks do not intentionally contain substances that are 'Toxic', or 'Harmful to health'. In addition, Linx Black PE ink 1130 is formulated to comply with the Swiss Ordinance 817.023.21, making it suitable for food packaging applications.

KEY FEATURES

Outstanding adhesion to a broad range of plastics e.g. PE, PP, OPP, nylon, PVC, PET

Ideal for rapid production lines

Resistance to heat and common production environment chemicals

Choosing the right ink for plastic substrates

	Black plastic-adherent ink 1014	Black plastic-film ink 1016	Black PE ink 1130
Colour system	Black dye		
Substrate materials	most plastic materials such as ABS, acrylic, nylon, PET, polycarbonate, PVC, uPVC		
Especially suited for	polyethylene terephthalate (PET)	treated and untreated polypropylene (PP)	treated and untreated polyethylene (PE & PP)
Drying time	1-2 seconds		
Solvent base	butanone (MEK - methyl ethyl ketone)		
Linx solvent	Linx solvent 1505	Linx solvent 1506	Linx solvent 1530
Shelf life (ink)	12 months		
Shelf life (solvent)	24 months		
Printer compatibility	Linx 5900, Linx 7900		
Printhead compatibility	Midi Midi <i>plus</i> Ultima Ultima <i>plus</i>	Midi Midi <i>plus</i> Ultima Ultima <i>plus</i>	Midi Midi <i>plus</i> Ultima Ultima <i>plus</i> Micro (Linx 7900 only)
Lines of text	up to 4	up to 4	up to 4
Printer operating temperature	5 - 45°C	5 - 45°C	10 - 45°C

Quality assurance

- It is always recommended that only Linx continuous ink jet inks and solvents are used in Linx printers as substitutes can affect printer performance or cause printer failure
- Linx inks and solvents are formulated specifically for use in Linx printers to ensure performance and reliability
- They are manufactured to certified and verifiable ISO 9001 quality procedures
- Every bottle of ink and solvent is uniquely identified to ensure that it can be traced back through the manufacturing process and has a "use-by" date which guarantees performance throughout its shelf-life
- All raw materials are screened and audited to comply with new legislation to ensure a continuously safe and legal supply

Ink and solvent storage and use

Store Linx inks and solvents between +15°C and +25°C. For the full range of operating temperatures see table above.

Ink handling guidelines

Linx takes great care to ensure that none of their standard CIJ inks and solvents are classified as 'Toxic to health', or 'Toxic to the Environment'.

Linx inks are however labelled as 'Highly Flammable' and 'Irritant'. The normal safety precautions for these classifications should always be taken.

For further details please see the Safety Data Sheet.

Ordering options for Linx inks and solvents

There are four alternative options to suit different customer usage patterns:

- For customers requiring at least 5 litres of ink per year: Standard 5 litre packs (10 x 0.5 litre bottles of either ink or solvent)
- For customers requiring less than 5 litres of ink per year: Combipacks (4 x 0.5 litre bottles of ink and 6 x 0.5 litre bottles of matching solvent).
- For customers using less than 2 litres of ink per year: 1L packs (2 x 0.5 litre bottles of ink).
- For customers requiring the flexibility to subdivide a 5 litre box: Easypacks (10 x 0.5 litre bottles of ink in 1 litre packs).

See the [Linx range of plastic adherent inks for yourself](#). Contact our Sales Office or your local Linx distributor to arrange for a sample of your product to be printed.

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THINKING ALONG YOUR LINES

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