G20i Thermal Ink Jet Ink   BK140

BK140 is a fast drying ethanol based ink suitable for printing onto a wide range of non-porous substrates. Ideally suited for use on coated cartons and boxes.

Producing a longer throw distance and long de-cap time, BK140 is ideal for coding onto varnished outer cases where time between prints can be long. The enhanced ink delivery performance ensures consistent code quality from full to empty.

BK140 is a Domino developed ethanol based ink, designed to meet the requirements for coding onto non porous cartons and boxes. Unique to Domino this allows support of any questions regarding to food packaging suitability.

- *Domino developed ink providing up to 15% more prints per cartridge compared to other 3rd party solvent inks.*

- *Long throw distance of up to 4mm for a reliable print solution due to improved tolerance of substrate movement.*

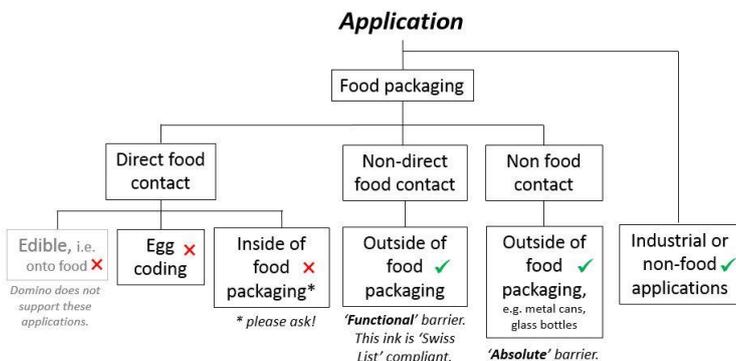- *12 months' shelf life for easier stock management compared to other 3rd party solvent based inks.*

FIG .1

Domino. Do more

Product overview

G20i Fast Dry Ethanol based Ink.

BK140

Applications and Regulatory Considerations

Application

Food packaging
- Direct food contact
  - Edible, i.e. onto food ✗ *Domino does not support these applications.*
  - Egg ✗ coding
  - Inside of food ✗ packaging* — ** please ask!*
- Non-direct food contact
  - Outside of food ✓ packaging — *'Functional' barrier. This ink is 'Swiss List' compliant.*
- Non food contact
  - Outside of food ✓ packaging, e.g. metal cans, glass bottles — *'Absolute' barrier.*
- Industrial or non-food ✓ applications

This ink is suitable for use on **Functional barriers.** With some packaging, such as plastic containers and film substrates, it is possible that ink components may migrate through to the foodstuffs inside: a 'functional barrier' is where any migration is within defined limits. It is the customer's responsibility to carry out migration tests of the printed codes on their products; Domino can offer support under NDA.

This ink is suitable for use on **Absolute barriers** Containers such as metal cans where there is zero possibility of ink components migrating through the container into the packed food/drink inside.

This ink is manufactured to EuPIA GMP standards. If unclear about the suitability of this ink in a given application, please refer to your local Account Contact who will escalate via Channel Support as needed.

Part numbers and packaging

	Part number	*Container*	*Quantity*	*Shelf life*
Ink	TIJ-Bk140-5	Cartridge (42ml)	Each	12 months

Printer compatibility

<u>G20i Only</u> (Cannot be used with G100, G200. G300, G130i, G230i, G120i, G220i, G320i or G320i OEM)

End user properties

Fast dry time / up to 4mm throw distance / high prints per cartridge: e.g. 280,000 prints/cartridge at 300x300 dpi for the Fig. 1 sample message shown on the front page /
good scratch resistance on a wide range of no porous substrates including metal and plastics.

Storage and operational environment

Fluids storage and transportation	Temperature: 10^0C to 30^0C	Humidity: 10%-90% RH non-condensing
Printer operational environment	Temperature: 10^0C to 40^0C	Humidity: 10%-90% RH non-condensing
	(De-cap time will be adversely affected at 10^0C and between 30^0C - 40^0C)	

Supporting Documentation

Safety Data Sheets	SDS's for all supported jurisdictions / languages are available through Dominocasecoding.com
Technical Data Sheet	Available through Dominocasecoding.com

Quality Assurance

Domino always recommends that only Domino fluids are used in Domino printers. All Domino fluids are fully tested in Domino printers to assure optimum levels of performance throughout the specified operational envelope. All Domino fluids should be used within their rated Shelf Life.

DOMINO

Domino UK Limited Bar Hill Cambridge CB23 8TU   T +44 1954 782551   F +44 1954 785554
Registered Office Bar Hill Cambridge CB23 8TU Reg No. 1750201 England VAT No. 388 7030 22