

Ink Technologies

SOLVENT INK



- **Applications**

Our series of IR blocking ink strongly absorb near-infrared light (800nm – 1000nm) while remaining transparent to visible light (400nm – 700nm). They have been designed to meet ISO / IEC 7810 standards for cards reading.

- **Major advantages**

6 months shelf life. Easy to print.

- **Printing**

All types of screen printing equipment.

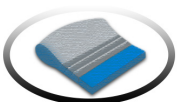
TECHNICAL CHARACTERISTICS



Screens

Fabrics: 79 threads/cm mesh with a single printing pass. 140 threads/cm mesh with two printing passes. It is very important to use the same mesh and preferably new, well-sharpened squeegee for each new print, all this to ensure the good performance of our IR blocking ink.

Transfers: emulsions and films have to be solvent resistant.



Squeegees

A polyurethane squeegee with a hardness of A65, minimum slope, good sharpening, is recommended.



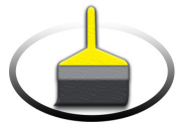
Coverage

Using a 79 threads/cm mesh, 1kg will cover around 30-40 m².
Using a 140 threads/cm mesh, 1kg will cover around 65-75 m².



Dilution

Our IR blocking ink is ready to use, do not use any type of thinner. Thin the ink will reduce the peel strength value.



Cleaning

In order to be efficient, we recommend cleaning solvent with a flash point over 55°C or 131°F



Adhesion/resistance

Conforms to ASTM D3002 and D3359 comb teeth 11.



Packaging

in 1kg pail.



Storage

6 months in original packaging stored between +5 °C and +25 °C.



Drying

Our series of IR blocking inks dries at hot air tunnel between 40 °C to 60 °C for a period of time of 40 seconds and 1 minute.



Handling

Pail opened for sampling must be carefully closed as soon as possible, otherwise the viscosity may change due to the evaporation of the solvent and have an impact to the functional property of the ink.



Hygiene and safety

Although the products chosen for use in formulating the IR BLOCKING ink are not dangerous, they can produce allergic reactions in some particularly sensitive people. Ink or thinner stains on skin will be washed immediately using cleaning solvent. For more information please refer to the relevant MSDS.

Guarantee reserves

Although the data indicated in this document have been established after thorough tests, they are only given as an indication. VFP Company cannot be held responsible in any way, it being understood that we recommend making tests before starting any production run. No salesman, representative or agent is entitled to provide a guarantee or any insurance which might contradict the above statement. Please always refer to our general sale conditions.