

Ink Technologies

SOLVENT INK



- **Applications**
Our IR BLOCKING range absorbs infrared light (860 – 950 nm) while retaining the integrity of the payment card
It meets the ISO/IEC 7810 standard due to its physical characteristics of density
- **Major advantages**
Six months shelf life. Easy application, fast drying
- **Printing**
Automatic and semi-automatic machines

TECHNICAL CHARACTERISTICS



Screens

Fabrics: 79 or 90 threads/cm with a single printing pass.
140 threads/cm with two printing passes. It is very important to print with a dedicated screen to avoid any pollution that could alter the product performances
Reports: emulsions and films must be water and solvent resistant



Squeegees

Polyurethane, hardness 65sh with a good sharpening. Its use must be dedicated to IR BLOCKING printing



Coverage

With 79 thread/cm mesh, 1 kg will approximately cover 30 to 40 m²
With 140 thread/cm mesh, 1 kg will approximately cover 65 to 75 m²



Dilution

The IR BLOCKING range is ready to use. The utilisation of any diluent will reduce its power of adhesion



Cleaning

Cleaning with the solvent 77BIO, 77201 or 77255 is recommended



Packaging

IR BLOCKING 1 kg



Storage

Six months in its original packaging stored in between + 5°C and + 35°C



Adhesion / resistance

Complies with the ASTM D3002 and D3359 tests



Drying

The IR BLOCKING range will dry in an hot air tunnel in between 40°C to 60°C for a period of 40 seconds to 1 minute



Handling

After extraction of the ink, open pots need to be promptly closed back to prevent any contamination or dust. The viscosity can be altered following solvent evaporation and will have an impact on the ink properties.

Always stir the ink for 5 to 8 minutes before use with an ink agitator equipped with a bladed propeller (600 to 800 rpm)



Hygiene and safety

Although the products selected for the formulation are not dangerous as such, contact can cause allergic reactions in some particularly sensitive individuals. Ink soils on the skin should be cleaned as soon as possible with soapy water. In any case, refer directly to the safety sheets

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.