

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 a 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.