

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

The IR BLOCKING V2 ink is a NON CMR solvent ink.

APPLICATIONS

The IR BLOKING ink, printable at the heart of the card, absorbs infrared light (860-950nm) to allow the use of transparent payment cards in payment and ATM machines. Complies with ISO/IEC 7810.

The above-mentioned substrates may differ according to their origin. It is therefore essential to carry out preliminary tests.

PRINTING

Automatic cylinder machine SPS and SAKURAI type.

MAJOR ADVANTAGES

- Nonflammable.
- Not labeled dangerous (transport).
- Fast drying.

APPEARANCE

Glossy, satin appearance.



Substrate	PVC, RPVC
Mesh	200 to 230 threads/inch (79 to 90 threads/cm)
Emulsion	All types of solvents and UV resistant emulsions
Squeegee	65shA or 75shA
Drying	Solvent evaporation
Diluent and additive	Ready to use
Cleaning	77 BIO
Storage	6 months stored between +5°C et +35°C

COLOR RANGES & PACKAGING

IR BLOCKING BROWN
BR3001V2

1 KG

INSTRUCTIONS FOR USE

SCREEN

Mesh from 79 to 90 thread/cm in one pass and 140 threads/cm in two passes (one on each side). Imperative use of a dedicated screen to avoid any pollution that could alter the performance of IR BLOCKING V2. Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane squeegee A65 or A75.

PERFORMANCE

With a 79 threads/cm fabric, 1kg cover about 30 to 40m².

DILUTION

IR BLOCKING inks are ready to use. The use of a thinner will impact its adhesion and performance.

PROCESS

One-layer printing on one side in 79 mesh. Screens and tools must be carefully cleaned before using IR BLOCKING V2.

ADHESION-RESISTANCE

Complies with D3359 tests.

DRYING

Hot air tunnel between 40°C and 60°C for 40 seconds to 1 minute.

PRODUCT PROPERTIES

On substrates with low surface energy, the treatment must be higher than 41 dynes/cm. The IR BLOCKING V2 range absorbs infrared light (860-950nm) to allow the use of transparent payment cards in ATM and payment machines. Complies with ISO/IEC 7810.

HANDLING

After extraction of the ink, open containers need to be carefully and promptly closed. The viscosity can be altered by evaporation of the solvent and reduce the performance of IR BLOCKING. Before use, mix for 5 to 8 minutes with a mixer equipped with a shear propeller, at a speed between 600 and 800 rpm.

SCREEN CLEANING

Cleaning with the 77BIO bio solvent.

WASTE MANAGEMENT

Packaging contaminated with hazardous substances. Do not dispose into the environment. VFP Ink Technologies encourages all users to develop a responsible environmental policy.

HEALTH AND SAFETY

Refer to the MSDS. We recommend that you wear Personal Protective Equipment recommended by the MSDS and follow its handling precautions.

STORAGE

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