

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

The SOLVCARD ink is a NON-CMR solvent ink.

APPLICATIONS

Printing on PVC, RPVC and PET for card production.

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

- Good stability of metallic inks in the pot.
- Good stability in the screen.
- Nonflammable.
- Not labeled dangerous (transport).
- Accepts Offset, UVICARD TF ink overprinting.
- Accepts lamination.
- Embossable.

APPEARANCE

Glossy, satin appearance..



Substrate	PVC, RPVC, PET
Mesh	110 to 230 threads/inch (43 to 90 threads/cm)
Emulsion	All types of solvents and UV resistant emulsions
Squeegee	65shA or 75shA
Drying	Solvent evaporation
Diluent and additive	Thinner SC201 Retarder SC203
Cleaning	77 BIO
Storage	1 year in its original packaging stored between +5°C and +35°C. 2 years in its original packaging stored between +5°C and +35°C for the SC103 Opaque White.

COLOR RANGES & PACKAGING

GOLD

upon request 5 KG

SILVER

SC301 FINE SILVER 5 KG
SC302 MEDIUM SILVER 5 KG
SC303 LARGE SILVER 5 KG

PEARL

SC311 PEARL FINE 5 KG
SC312 PEARL MEDIUM 5 KG
SC313 PEARL LARGE 5 KG

OPAQUE WHITE & BLACK

SC103 OPAQUE WHITE 5 KG
SC105 SHUTTER WHITE 5 KG
SC905 OPAQUE BLACK 5 KG

TRANSPARENT INKS

SC5601 TRANS YELLOW 5 KG
SC8003 TRANS BROWN 5 KG

VARNISH

SC001V2 MIXING BASE 5 KG

DILUENTS ET ADDITIVES

Diluant SC 201 1 KG
Retarder SC203 1 KG

Non-exhaustive list of metallic and pearl shades. Custom color matching available upon request.

INSTRUCTIONS FOR USE

SCREEN

Mesh from 43 to 90 thread/cm.
Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane squeegee 65shA or 75shA.

PERFORMANCE

With a 55 threads/cm fabric, 1kg cover about 20 to 25m2.
With a 63 threads/cm fabric, 1kg cover about 25 to 30m2.
With a 100 threads/cm fabric, 1kg cover about 50 to 55m2.

DILUTION

SOLVCARD ink is ready to use.
Dilution is possible for whites with SC201 up to 10%.
In case of high ambient temperature, replace part of SC201 by SC203.

MIXING

The shades of SOLVCARD range are miscible with each other but are generally used pure.
SC001V2 and Transparent Inks can be used to modify existing tints or to create new ones.

DRYING

By evaporation of solvents.
Once dry, the ink film doesn't stick.
Forced air: they must be dried with hot air in a well-ventilated tunnel between 50 and 60°C for 10 to 20 seconds.
It is important to ensure, before stacking, that the printed materials are completely dried and cooled.

LAMINATION

It is carried out at a minimum between 125° and 140° for 5 to 15 minutes and with the use of a coated overlay film.
Performance examples: SC inks printed on 400 µ PVC, laminated with 80 µ coated overlay in Oasys OLA6E type device, and tested with a Lloyd LS1 dynamometer equipped with the TG113 accessory allowing peeling tests to be carried out at 90°, have a peel strength of 10 N/cm on average.

PRODUCTS PROPERTIES

On substrates with low surface energy, the treatment must be higher than 41 dynes/cm.
After the support has completely cooled to room temperature, the printed ink film must withstand the 3M810 tape test after gridding.

HANDLING

Homogenize before use.

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

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