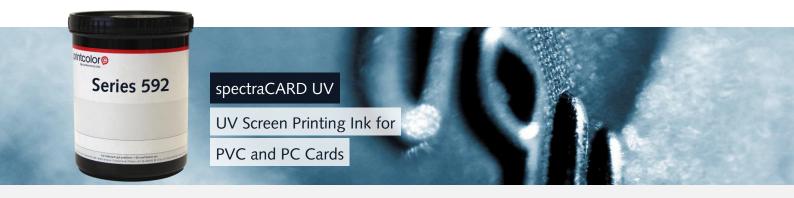
PRODUCT INFORMATION





YOUR ADVANTAGES

- > Adhesion on PVC and Polycarbonate
- High productivity
- > Excellent offset overprintability
- > Integration of security features
- Meets requirements of ISO/IEC 7810
- Constant peel values

spectraCARD UV is a unique UV-curing screen printing ink for production of plastic cards made of PVC and polycarbonate. The ink series meets all requirements of the international standards for identity documents, ISO/IEC 7810:2019. It is perfectly overprintable with offset. spectraCARD UV is one of the world's first UV ink series which is at the same time suitable for production of polycarbonate and PVC cards by screen printing.

Advantages in the production process thanks to UV

The production of cards with *spectraCARD UV* offers numerous advantages over the use of solvent systems:

- > Environmental friendliness thanks to low VOC content
- Prevention of problems during lamination because of leftover solvents
- Higher productivity thanks to immediate curing
- > Excellent offset overprintability

Excellent peel values on polycarbonate

spectraCARD UV offers a full product range (opaque white, laminating adhesives and many metallics) for printing on polycarbonate.

Adhesion on transparent and colored PVC

Trendy and modern cards are nowadays made of transparent PVC or with a colored core film. This represents a

new challenge for printing inks, since particularly, colored PVC has a different surface tension than transparent material. *spectraCARD UV* masters this task brilliantly and also convinces with excellent adhesion properties on colored core material.

Constant peel values

In the formulation of *spectraCARD UV*, great importance was placed in avoiding post-curing of the printed ink. By this, a constant peel value is reached with *spectraCARD UV* and thus preventing separation printing ink and substrate, should the finished card may be exposed for example to water vapor.

Applications

Typical applications of spectraCARD UV are:

- > Identity cards
- > Debit and credit cards
- > Smartcards
- Loyalty cards

Requirements of ISO/IEC 7810:2019

spectraCARD UV fulfills all requirements of the international standard for cards ISO/IEC 7810:2019.

FURTHER INFORMATION

Technical Data Sheet www.printcolor.ch/tds

Solvent based Printing Ink for cards www.printcolor.ch/inks-for-cards

Contact sales@printcolor.ch