



**spectraCARD UV**

UV Screen Printing Ink for

PVC and PC Cards

**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](http://www.printcolor.ch/tds)

**Solvent based Printing Ink for cards**

[www.printcolor.ch/inks-for-cards](http://www.printcolor.ch/inks-for-cards)

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