

PRODUCT GROUP 300

Series 392 spectraCARD

Solvent based Screen Printing Ink for Credit Card Systems



Laminable, offset over-printable solvent based screen printing ink for printing of card systems onto various plastics, but especially onto PVC substrates.

The binder composition is chosen in such way, that no discoloring or damaging of the colors can occur during the lamination or high frequency welding process (up to 180°C, high pressure). Due to the special binder composition, all colors of Series 392 are fulfilling the general norm ISO/IEC 10373 for card systems in respect to lamination resistance and peel strength, if using hotmelt coated overlays. The series shows a good acceptance of UV-Offset inks. The lamination resistance keeps preserved after offset printing.

Please note:

All inks of series 392 have to be diluted with 10-20% 392-017 before printing and have to be dried with a minimum of 50°C to get an optimal peel strength value and an optimal acceptance of Offset inks. In any other case good results cannot be guaranteed!

The basic variety of the series consists of 4 categories:

- Highly transparent concentrates
- Opaque color shades
- Effect systems
- Security features

The effects include various metallic colors (silver and gold), metal-free silver- and gold colors, pearlescent colors, glitters, phosphorescent systems, interference colors, holographic colors, thermochromatic systems, scratch n' sniff inks, and many more. The high transparent concentrates enable any and almost endless mixing of effects with various color shades. The assortment of security elements includes UV-luminescence, IR-blocking, "anti-copy" colors, laser marking colors, audible tracer colors, optical shifting inks, photochromic colors and a lot more special effects.

All indicated basic systems are visualized and documented in the spectraCARD™ Design Manual (Volume 1-3) in which more than 250 printed and laminated varieties are shown.



SUBSTRATES			
PVC	ABS/PVC	PET-G	PC
Teslin			



USE	
Application	Manufacturing of card systems (smart cards, identity cards, bank cards), identity papers



PROPERTIES, PROCESSING, DRYING AND MESH	
Mesh	43-80 Y PW PET 1000 up to 120-34 Y PW PET 1000 (depending on pigmentation)
Drying / Curing	Jet / Air / Oven > 50°C
Further Processing	Punching, cutting, laminating

ADDITIVES			
Thinner	Series 392-017	Addition Ratio	10 - 20% by weight
Retarder	Series 392-018	Addition Ratio	5 - 20% by weight



VARIOUS

Delivery Conditions	1 kg / 5 kg / 25 kg
Other	Stir well before use



Disclaimer

Please thoroughly read the Material Safety Data Sheet (MSDS) prior to processing. The Material safety Data Sheets according to 91/155/EWG form, contain indications of hazardous ingredients. Exposure levels and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to the processing as described within this technical leaflet. Above data are based on laboratory tests and field experience. All therein contained statements are to the best of our knowledge without any obligation from our side and do not discharge from testing the product by yourself. In doubtful cases, you are kindly requested to either perform your own tests or refer to our technical staff. Application, use and processing of the delivered products are beyond our control and are therefore at your own risk and responsibility. Printcolor is thus free from any guarantees or liabilities. In cases of justified complaints, Printcolor can only be made liable for the counterpart of the utilized ink system. Adding not stated products or foreign / competitors products, is solely at your own risk and liberates Printcolor of any later calls; especially in cases when damages occurred and which have been caused through use of products of foreign type. This leaflet replaces all former issues. (03/2010)