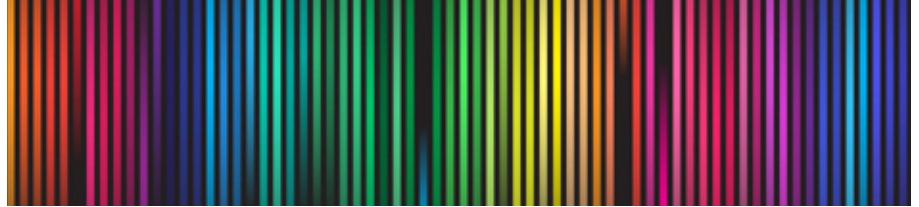




spectraCRYPT®

Series SC-140-AE/00070

UV-Biluminescence Ink, Red/Blue



This solvent based bi-luminescent ink contains substances that upon exposure to UV-light are excited to a higher energy state and then return to the ground state by emission of a photon of the visible spectral range. The bi-luminescent ink is designed to absorb photons of two different energy states and thus to emit light of two different wavelength and consequently of different colour. For excitation lamps with 254 nm and 365 nm light emission can be used. The ink will emit red light upon exposure to 254 nm and blue light by use of the wavelength of 365 nm. The period between absorption and emission is typically extremely short, in the order of 10 nanoseconds. The bonding agent in SC-140-AE/00070 has specially been designed to increase lamination strength of offset or screen printings within the classic multi-layer card systems made of PVC or Polycarbonate. Especially bonding between Overlay and Offset-preprint (or highly pigmented colors) will be improved by working with this functional coating. It is being used for production of credit cards, smart-cards, customized cards as well as lots of other multi-layer card systems and can after printing, directly be laminated with Overlay foil. The thicker this lamination agent is being applied onto the card body (or directly onto the overlay material), the better the resulting bonding.



SUBSTRATES

PVC	ABS	PC	PET-G
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USE

Application	Cards manufacturing
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PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	64-64 Y PW PET 1000 up to 77-55 Y PW PET 1000
Drying / Curing	Air / Jet
Further Processing	Embossing, cutting



ADDITIVES

Thinner	Series 300-017	Addition Ratio	10-15 % by weight
Retarder	Series 10-03432	Addition Ratio	5-10 % 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. (04/2009)