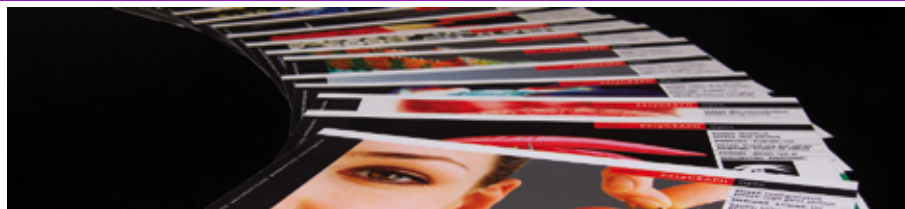




## PRODUCT GROUP 500

### Series 590-5107/xxx UV Scratch-off Inks



These UV Scratch-off Inks have been developed to combine high productivity, maximum opacity and easy scratching. They are free of solvents, set press-ready and no further additives are required. Its advantages lie most of all in its excellent film building property, its fast printability, its high opacity and last but not least, its absolute opaqueness as well as no blocking, combined with a soft scratch-off effect - which normally is very uncharacteristic for UV-hardening systems. When used for security-printing, it is highly recommended to use the primer varnish, Series 571 116, which contains specific X-ray-blockers. When used for decorative-printing, the inexpensive primer varnish, Series 571 111 could be applied. Overprinting of the UV Scratch-off Inks with other inks, must initially be tested.

Following standard products are available:

Scratch-off ink, silver

Series 590-5107/100

Scratch-off ink, gold

Series 590-5107/103



#### SUBSTRATES

Paper, cardboard	Polycarbonate	OPP-laminate
Offset	Hard-PVC	Soft-PVC



#### USE

<b>Application</b>	Advertisement use with interactive functionality
	Temporary layer for lottery-tickets, pin-codes, phone cards, a.s.o.



#### PROPERTIES, PROCESSING, DRYING AND MESH

<b>Mesh</b>	120-34 Y PW up to 77-55 Y PW PET 1000 (eventually double-printing, depending on application)
<b>Drying / Curing</b>	400-500 mJ/cm <sup>2</sup> , depending on layer thickness measured with Technigraf Integrator
<b>Further Processing</b>	Punching, cutting, embossing



#### ADDITIVES

<b>Thinner</b>	Press-ready	<b>Addition Ratio</b>	-
<b>Retarder</b>	Press-ready	<b>Addition Ratio</b>	-



#### VARIOUS

<b>Delivery Conditions</b>	1 kg / 5 kg / 20 kg
<b>Other</b>	Other colors upon request



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#### 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 refer 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. (11/2008)