



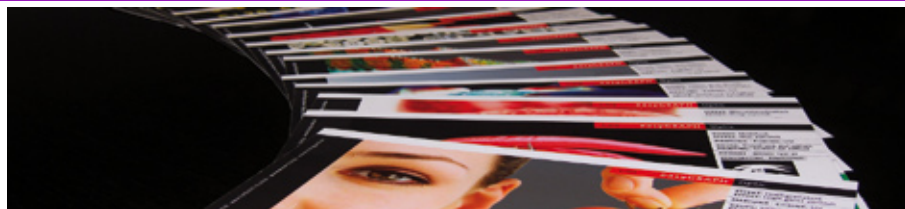
PRODUCT GROUP 500

Series 590-KIFxxx/xx

UV-Interference Inks, fine

Series 590-KIGxxx/xx

UV-Interference Inks, coarse



Series 590-KIFxxx/xx, respectively Series 590-KIGxxx/xx covers multi-colored interference effects (tilting or color-shift effects) for optical finishing of printings and packaging's. The pigments show a color shifting or "flip-flop" effect from one color shade to the other. The relevant ST color shades which can be seen when "shifting" are described in the Series with xxx/xx. These effect systems are free of metals.

The curing energy necessary for these UV curing inks depends on the therein contained pigments and to the substrate and normally lies between 300-500 mJ/m². The curing conditions should be adjusted to substrate and color shade. Curing and adhesion is normally more difficult with dark substrates and with green-, blue- and gold color shades and therefore a higher curing energy of 500 up to 700 mJ/m² may possibly be required. Because of the "after-curing" of some color shades, final adhesion will only be reached after 24 hours. For printing of the interference effects a mesh of 43-80 Y PW PET 1000 (Series 590-KIGxxx/xx) up to 77-55 Y PW PET 1000 (Series 590-KIFxxx/xx) is recommended.



SUBSTRATES

Paper, paperboards, cardboard	Soft-PVC / Rigid-PVC	OPP-Laminate	Offset-Preprints
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USE

Application	Paper finishing Packaging's
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PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	32-100 Y PW PET 1000 up to 77-55 Y PW PET 1000
Drying / Curing	250-750 mJ/m ² (Technigraf Integrator), depending on pigments and substrate
Further Processing	Punching, cutting



ADDITIVES

Thinner	Series 500-017	Addition Ratio	Up to 10 % by weight
Retarder	-	Addition Ratio	-



VARIOUS

Delivery Conditions	1 kg / 5 kg / 20 kg
Other	Stir well before use, protect from direct light



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. (03/2009)



H. W. SANDS CORP.

1003 W. Indiantown Road • Suite 215 • Jupiter, FL 33458
Telephone: (561) 743-8090 • Facsimile - (561)743-4088
Website: www.hwsands.com