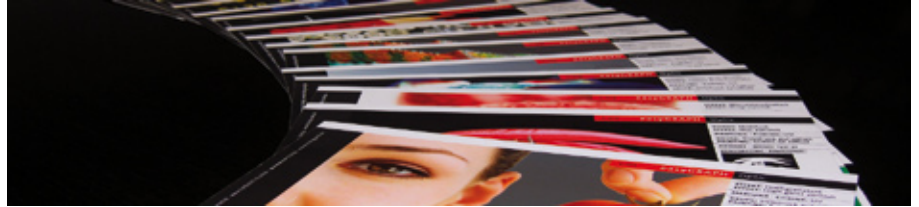




PRODUCT GROUP 500

Series 590-xx UV-Standard metallic's



This part of the easyGRAPH series covers standard metallic color shades in gold and silver for optical finishing of printings and packaging's. The basic colors equal to the color shades according to the ST-color swatch (Series 10 01). The curing energy which is necessary for these UV curing inks depends on the therein contained pigments, the applied film thickness (used mesh) and to the substrate and normally lies between 300–400 mJ/m².

The curing conditions should be adjusted to substrate and color shade. Curing and adhesion is normally more difficult with dark substrates and gold color shades and therefore a higher curing energy of 500–700 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 coarse gold and silver color shades, a mesh of 77-55 Y PET 1000 is recommended. The fine ST-metallic's are printed with a 120-34 Y PW PET 1000 mesh.



SUBSTRATES

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

Application	Paper finishing
	Packaging's



PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	77-55 Y PW PET 1000 / 120-34 Y PW PET 1000
Drying / Curing	300-700 mJ/m ² (Technigraf Integrator), depending on pigment 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. Limited shelf capacity, because of metal activity of UV-binder systems.



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



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)