



PRODUCT GROUP 500

Series 540

UV-Screen Printing Ink for Glass



High glossy, UV-curing screen printing ink, based on resistant basic raw materials for printing of glass and metal in the graphical and technical field. Thanks to careful choice of raw materials, requirements of high chemical resistance can easily be met. The high glossy surface guarantees for an excellent mechanical protection as well as for an increased abrasion resistance.

The low shrinking properties of the used basic materials allows printing of high quality glass items at minimum affection to undesired over-curing. Also here, please make sure that substrates are free of pollution and other contaminations to guarantee for an optimum adhesion and all other properties of this ink system.

Adhesion and especially also water resistance can be increased by adding Series 500-GL (addition ratio between 3 and 10% by weight). Depending on quantity and color shade, pot time is >12h / addition ratio 5%. This modern UV-ink system is free of amines, free of NVP (N-Vinyle-2-pyrrolidon) and also free physiologically disturbing materials (according to today's standard in regards to regulations for dangerous goods). Since Series 540 is a "reactive system", the usual care and attention should be paid when handling these UV inks.



SUBSTRATES

Glass and ceramics	Metals	Coatings	Duroplasts
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USE

Application	Decorative and functional printing of glass for furniture, gadgets as well as for the glass plates of gambling machines, décor glasses and various metal applications on ferro-magnetic and none ferruginous metals.
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PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	77-55 Y PW up to 120-34 Y PW PET 1000
Drying / Curing	800-1200 mJ/cm ² (Technigraf Integrator)
Further Processing	-



ADDITIVES

Thinner	Press-ready	Addition Ratio	-
Retarder	Press-ready	Addition Ratio	-



VARIOUS

Delivery Conditions	1 kg / 5 kg / 20 kg
Other	Should modifications in regards to specific requirements be necessary, Printcolor offers the user a UV thinner (Series 500 017) or highly concentrated initiator-cocktails (Series 500 019 for white color shades and Series 500 020 for colored inks).



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)



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